

The background of the cover is a close-up photograph of a purple flower, likely a chrysanthemum, with its petals in sharp focus. The overall color palette is a mix of deep purples and vibrant blues, creating a natural and organic feel.

ALABREX<sup>®</sup>

INCI  
Dictionary  
of Natural  
Ingredients

with an Index of  
Common Names

## We Know Natural...

Our vision is, and always has been, to be the most respected leader in personal care products for health and environmentally conscious consumers.

Since 1967, we have learned so much and are continually learning about new ingredients and how they benefit people. We always want to share what we learn! This dictionary helps us to do just that.

This version of *INCI Dictionary of Natural Ingredients* has been updated, as promised, to pass on more information to you regarding product certifications, what they mean and how you can benefit. This is an informational tool to guide you in your selection of natural and organic products.

We are proud of our legacy and our accomplishments of the past 50 years and are excited about the advancements we anticipate for the next 50! As we continue our journey in making fresh, handcrafted products, we invite you to come with us... **follow the leader, Aubrey®.**



**Priscilla DeFrancesco**  
**Chairman and CEO**  
**Aubrey Organics, Inc.**

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# Follow the Leader

In the natural products industry there are leaders and there are followers. Since 1967, Aubrey Organics has led the industry in developing natural and organic standards for others to follow. In 1994 we became the first personal care manufacturer to become a **CERTIFIED** organic processor, obtaining 3rd party audit as documentation. We were also the first personal care company to have products certified to the USDA's National Organic Program, the law of the land for food-grade products (2003).

In 2000, we spearheaded the creation of an organic certification specifically designed for personal care products. This work was incorporated into the PCTF (PC Task Force) of the Organic Trade Association. As interest grew from industry and consumers alike, the hard work of the standards writers shifted over to NSF and became the NSF ANSI (American National Standards Institute) 305 organic standard for personal care products, currently the most respected standard in the U.S. Most of our skin care products are certified to NSF/ANSI, so look for the seal!

We were a founding member and co-author of the Natural Product Association's Natural Standard for Personal Care, as well as a founding member of the Natural Standard for Homecare, which includes household cleaners and other in-home products. We were the first personal care manufacturer to have our make-up line certified to the Natural Products Standard (2008).

While we've always been a cruelty-free company, we received our Leaping Bunny Cruelty-Free certification in 2003.

We understand the importance of global harmonization of natural and organic standards, and have participated in standards development panels overseas. We were the first American company to have a full line of products certified to Europe's prestigious BDIH natural products standard in 2004.

In early 2014, Aubrey was invited to meet with President Obama's senior advisor on Climate Change and the head of the EPA to consult on the need for toxic chemical reform. No small task indeed!

We take our responsibility as industry leader very seriously. We feel our input into these important causes will have an invaluable benefit on future generations. That is why we ask you to join us ... join and/or **follow the leader!**



**Curt J. Valva**  
**Chief Operating Officer**  
**Aubrey Organics, Inc.**

# INTRODUCTION

Based on Aubrey Hampton's *Natural Ingredients Dictionary*, this *INCI Dictionary of Natural Ingredients* lists many of the ingredients natural cosmetic manufacturers use — Aubrey® included. The definitions, many written by Aubrey himself, are based on herb lore, years of extensive reading, and what he discovered while working with the various herbals and plant extracts in his research lab. Since Mr. Hampton's passing, we have continued to update his *Dictionary* in hopes of making the list more and more comprehensive.

In order to keep up with changes in personal care products labeling, and to make this *Dictionary* a more useful tool, we have opted to list all ingredients using their scientific INCI names, the standardized international format for listing ingredients on personal care product. A collaboration between the U.S. Cosmetics, Toiletry and Fragrance Association (now PCPC) and the European Cosmetic, Toiletry and Perfumery Association, INCI establishes a uniform, science-based method of ingredients labeling that increases consumer understanding and eliminates language barriers.

INCI terminology is based on an ingredient's scientific name, which is often Latin-based. In 2007, Aubrey Organics began using INCI labels in the U.S. for the first time, and all our labels have now been converted to this new labeling system. Before 2007, we had been using INCI in international markets for quite some time.

To make using this *Dictionary* easier, you will find an Index of Common Names on pg. 47. Simply look up any ingredient by its common name, and our index will provide its INCI name so you can then search for it in the definitions section. For your convenience, this *Dictionary* is also available as a free App, and in the Education section of our website ([www.Aubrey-Organics.com](http://www.Aubrey-Organics.com)). As consumers become better acquainted with the INCI format, we believe Aubrey's clean, natural formulations will stand out even more against competing brands.

# AUBREY® MILESTONES

Aubrey® was the first personal care company to:

- List ingredients on our product labels (1967)
- Create a natural absorption base of essential fatty acids, coconut fatty alcohols and aloe vera (1968)
- Develop a safe, reliable preservative with grapefruit extract and antioxidant vitamins A, C and E (1974)
- Achieve certification as an organic processor (by Quality Assurance International of San Diego, California) (1994)
- Create certified organic personal care products that received the USDA organic seal (2003)
- Receive the European BDIH Certified Natural Cosmetics seal, the first U.S. company to do so (2004)
- Create a natural makeup line to be certified by the Natural Products Association (2008)
- Introduce these uniquely beneficial ingredients to the natural personal care industry:

- Lactalbumin, a milk protein (1968)
- Sulfur-containing amino acids (1968)
- Jojoba oil (1972)
- Evening primrose oil (1982)
- Rosa Mosqueta® rose hip seed oil (1986)
- Blue chamomile oil (1987)
- Herbal gums (1988)
- Matcha green tea (1995)
- Blue green algae and grape seed extract (1998)
- Sea buckthorn oil (1999)
- Topical Ester-C® (1999)
- Organic orange pith juice (2003)
- Alaria esculenta (2013)



# COMMON TERMS

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You'll often see these terms when reading about personal care products and ingredients. Here are some helpful definitions.

**ANTIOXIDANTS** — Substances that counter the destructive effects of free radicals in the body, which are a major cause of disease and aging. Antioxidants protect tissue against cellular damage by stabilizing free oxygen molecules. Often used in natural preservative systems to prevent oxidation of fats and oils. Some natural antioxidants are vitamins A, C and E, alpha lipoic acid and green tea.

**DETERGENTS** — Cleansing agents that are chemically different from soaps, but resemble them in the ability to emulsify oils and hold dirt in suspension. Detergents can vary widely in composition. Though some can be plant-based, most are processed with petroleum derivatives or are synthetic. Examples: sodium lauryl/laureth sulfate, cocamide DEA, cocamidopropyl betaine.

**EMOLLIENTS** — Oils and other ingredients that soften and smooth the skin and reduce dryness, roughness and irritation. In hair care products, they restore lost moisture to hair fiber, contributing to shine and strength. Examples: coconut fatty alcohols, essential fatty acids, shea butter, jojoba oil.

**EMULSIFIERS** — Substances used to help oil and water bind together and stay in suspension. Examples: lecithin, carrageenan.

**EXFOLIANTS** — Used in masks, scrubs and cleansing lotions, exfoliants encourage skin cell regeneration by removing dead skin cells, making way for new cells underneath. Manual exfoliants such as ground nuts, meals and jojoba wax spheres gently slough off dead skin cells, while fruit acid exfoliants dissolve the cellular glue that holds skin cells together to reveal new, fresh cells. Enzymatic exfoliants such as papaya digest dead skin cells and offer the mildest form of exfoliation.

**HUMECTANTS** — Promote water retention in hair and skin care products by attracting and binding water to themselves. Examples: vegetable glycerin, sorbitol, honey, mucopolysaccharides.

**HYDRATORS** — Supply water to the hair and skin. Plant liquids are the best source of beneficial hydrating agents. Examples: aloe vera, orange pith juice, vegetable glycerin, deionized water.

**SAPONINS (GLYCOSIDES)** — Substances found in nature that foam readily in water; used as foam boosters, emulsifiers and mild cleansing agents in natural shampoos. Examples: quillaya, yucca, soapwort. Soaping agents with properties similar to plant glycosides can be made from coconut fatty alcohols and cornstarch glucose. Example: coconut/corn oil soap.

**SEQUESTRANTS** — Chelating agents that act by binding to and removing metal ions (such as calcium, magnesium and iron) and nonmetal ions (such as chlorine and salt) from hard water, causing hair to be cleansed and rinsed more thoroughly. Sequestrants also help minimize discoloration of natural and color-treated hair that might normally be altered by pool and salt water or excessive perspiration. Examples: rice extract, citric acid, kelp extract, alginate.

**SOAP** —A natural cleansing agent (surfactant) with the ability to emulsify oils and hold dirt in suspension. Bar soaps are made from the combination of fats, oils and/or fatty acids and sodium salts (sodium hydroxide, an alkali) dissolved in water. In liquid soap, potassium salts (potassium hydroxide) are utilized. While sodium and potassium salts can be harsh and drying, in a properly balanced formula, sodium hydroxide and potassium hydroxide cease to exist as separate entities when they combine with the oils to form soap, leaving no potential for skin irritation.

**SURFACTANTS** — Surface active agents responsible for wetting, dispersion and emulsification. Wetting enhances the spreading and penetrating ability of a liquid, which in turn improves the cleaning ability of water. There are three basic types of surfactants commonly used in shampoo formulas: detergents, soaps and glycosides.

**TONICS** — Herbal extracts that soothe, clarify, stimulate or otherwise improve the condition of the skin, hair and scalp. These are typically extracted in vegetable glycerin, water or natural grain alcohol, or added as essential oils. Examples: horsetail, nettle, ginseng, chamomile.

**VOLUMIZERS** — Substances that bind to and thicken hair fiber to increase fullness. Examples: soy protein, almond protein, wheat protein, panthenol, herbal gums, quinoa protein.

# INCI DICTIONARY OF NATURAL INGREDIENTS

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Ingredients are listed by their INCI names, followed by their common names. To find an ingredient by its common name, please refer to the Index of Common Names on pg 47.

**ABIES SIBIRICA** — **Fir Oil, Siberian Pine Needle Oil.** Aromatic extract with antimicrobial and tonic properties. An excellent addition to facial cleansers and natural deodorants. Often used as a fragrance.

**ACACIA CATECHU BARK POWDER** — **Acacia, Katha.** Used as a natural coloring agent in henna hair preparations.

**ACACIA SENEGAL GUM** — **Gum Arabic.** Herbal gum used as a thickener and emulsifier in creams and lotions, and as a hair set in styling gels and sprays. Often combined with gum tragacanth.

**ACER SACCHARUM** — **Sugar Maple.** A natural alpha hydroxy acid, its mild exfoliating action helps remove dead skin and promote skin cell turnover. Has antioxidant properties.

**ACHILLEA MILLEFOLIUM** — **Yarrow.** Extract from the flower heads of this ancient herbal, a known anti-inflammatory and anti-irritant. Adds sheen to the hair and has a firming action on the skin.

**ACIDOPHILOUS / GRAPE FERMENT** — See Fruit Acids.

**ADANSONIA DIGITATA** — **Baobab Oil.** Rich emollient helps maintain skin elasticity and restore moisture to dehydrated, sun-stressed skin and dry hair. Its high vitamin D content makes it ideal for after sun use. Also rich in antioxidants—particularly vitamin C—and essential fatty acids, very nourishing to the skin.

**AESCULUS HIPPOCASTANUM** — **Horse Chestnut.** Anti-inflammatory, anti-irritant and mild astringent that helps stimulate circulation to the skin. Often found in massage lotions, and in products for sensitive skin for its sedative properties. Contains saponins.

**AGONIS FRAGRANS** — **Fragonia™.** Essential oil distilled from a wild aromatic bush that grows in Australia, used in aromatherapy for its balancing and mood-lifting properties. Has anti-microbial properties. Its trademarked name, *Fragonia™*, guarantees the oil contains the appropriate chemical constituents.

**ALANINE** — An amino acid. (See Amino Acids.)



**ALARIA ESCULENTA** — Edible seaweed high in essential fatty acids and antioxidants. A rich moisturizer; it stimulates the creation of hyaluronic acid within the skin and helps support collagen and elastin to promote skin elasticity. It has been clinically proven to significantly increase firmness when applied twice daily to the skin for 28 days.

**ALCOHOL DENAT. (38B, LAVENDER)** — **Natural Grain Alcohol.** Powerful antiseptic, naturally obtained through the fermenting of carbohydrates in grains. Especially denatured alcohol 38b is rendered undrinkable by the addition of an essential oil. The federal government allows for several different types of essential oils to be used as denaturants under the SDA 38b classification; however, the preferred additive for the natural cosmetic industry is lavender. (Many cosmetic formulations contain isopropyl alcohol, a petrochemical that is much cheaper to use and very harsh and drying to the skin.)

**ALEURITES FORDI** — **Chinawood Oil, Tung Oil.** (See *Brassica campestris/Aleurites fordii* oil.)

**ALEURITES MOLUCCANA** — **Kukui Nut Oil.** The oil of the kukui nut from Hawaii, rich in essential fatty acids. A natural moisturizer and skin protector.

**ALGAE EXTRACT** — A blend of different varieties of red algae, this powerful nutrient is rich in amino acids, antioxidant vitamin C and vitamin B-12. Used topically, it enhances cell formation and has been clinically shown to firm and tighten skin with regular use. An excellent addition to anti-aging formulas. Extracts of *Nannocloropsis oculata*, *Euchema spinosum* and *Gigartina stellata* can be used for this purpose. (See also *Chondrus crispus*.)

**ALOE BARBADENSIS LEAF** — **Aloe Vera Fillet.** The whole gel-like fillet removed from the aloe leaf. An excellent skin soother and hydrator.

**ALOE BARBADENSIS LEAF JUICE, OIL** — **Aloe Vera.** In the first century A.D., Roman naturalist Pliny wrote extensively about aloe as a healing agent for wounds and abrasions. It is considered one of nature's most effective remedies for sunburn and skin irritations, and a superb hydrator for dry hair and skin. Use organic aloe whenever possible.

**ALTHAEA OFFICINALIS** — **Marshmallow Root.** An excellent hydrator and skin soother. Helps soften, protect and regenerate the skin.

**AMINO ACIDS** — Amino acids are “the building blocks” that make up proteins. Because proteins are necessary to every living cell and are involved in every major process in the body, amino acids are essential to health. Of the roughly 28 known amino acids, 80 percent are manufactured by the body. The others, known as essential amino acids, must be obtained from the diet. Amino acids support proteins in the skin (collagen, elastin, etc.) and, used in certain combinations, help regulate oil production in the skin and scalp. Human hair is made up of 18 amino acids, which is why many quality hair care products contain them.

**AMYRIS BALSAMIFERA** — **Amyris Oil**. Essential oil used for its pleasant fragrance, and as a natural fixative in perfumes. Sometimes known as West Indian sandalwood.

**ANACYCLUS PYRETHRUM** — **Pellitory**. A pungent herb used as a stimulant and circulation enhancer.

**ANDIRA ARARоба** — **Goa Herb, Chrysarobin**. A natural astringent, its chemical affinity to the keratin elements of the skin makes this herb an excellent treatment for acne, eczema and other skin conditions. A calming agent for itching, flaking or irritated skin.

**ANGELICA ARCHANGELICA** — **Angelica**. Both the essential oil and the dried leaves of this herb are very aromatic. Angelica oil and angelica wax are excellent skin soothers.

**ANGELICA SINENSIS** — **Chinese Angelica (Dong Quai)**. Superb skin and scalp tonic and antibacterial used in preparations for acne and other skin conditions.

**ANIBA ROSAEODORA** — **Rosewood**. Essential oil often used for its pleasant, woody-floral fragrance. A mild analgesic and cellular stimulant.

**ANTHEMIS NOBILIS** — **Roman Chamomile**. A softening agent for rough, dry skin, used since ancient times for its calming and conditioning effects. Its soothing and hydrating properties also work well on the hair and scalp. Brings out highlights in lighter hair. (See also *Chamomilla recutita* (German Chamomile); *Tanacetum annuum* (Blue Chamomile).)

**APHANIZOMENON FLOS AQUAE** — **Blue Green Algae**. Made up of 50% to 70% utilizable protein, blue green algae is an excellent food, used for thousands of years for its mild taste and easily assimilated nutrients. A good source of enzymes, minerals, trace minerals

and antioxidants, its amino acid profile is virtually identical to that of humans, which makes it more readily absorbed by the skin. Used in hair care products for its protein content, it helps revitalize and condition dull, damaged hair.

**APPLE PECTIN** — See Pectin

**AQUA** — **Water.** In our formulations, we use deionized water; purified water that has had ions removed. (The deionization process also removes nitrates, calcium, magnesium and heavy metals.) A few of our products contain mineral water from a spring, either naturally carbonated, such as Perrier; or still, such as Evian.

**ARACHIDYL ALCOHOL** — A fatty alcohol derived from coconuts, used as an emulsion stabilizer in cosmetic products.

**ARACHIDYL GLUCOSIDE** — Obtained through the condensation of arachidyl alcohol, a fatty alcohol, and glucose. Used in cosmetic products as a surfactant and emulsifier.

**ARACHIS HYPOGAEA** — **Peanut Oil.** Superb emollient often used in natural massage oils and soaps.

**ARCTIUM LAPPA ROOT EXTRACT** — **Burdock.** Antiseptic and antibacterial used topically to calm certain skin conditions. Its oil extract smoothes and revitalizes the hair and tones and soothes the scalp. An excellent ingredient in conditioners, anti-frizz hair care products and styling aids for coarse, curly, hard-to-handle hair.

**ARGANIA SPINOSA** — **Argan Oil.** Nutrient-rich oil, high in essential fatty acids and antioxidant vitamin E. Supports the skin's collagen and improves softness and elasticity. In hair care products, it rehydrates and smoothes the hair cuticle to help reduce frizzing and add shine.

**ARGININE** — An amino acid. (See Amino Acids.)

**ARNICA MONTANA** — **Arnica Oil.** Herbal extract used in hair tonics and massage preparations for its nourishing and anti-inflammatory properties. Combined with vitamin E, it is an excellent natural deodorant.

**ASCORBIC ACID** — **Vitamin C.** Powerful antioxidant and nutrient, very beneficial to the skin. Plays an essential role in building collagen, the connective tissue that makes up 70 percent of our skin. Vitamin C is also a natural preservative, protecting both the oil and water phases of cosmetics. Ascorbic acid is a water-soluble form of vitamin C. (See also Calcium ascorbate.)

**ASCORBYL PALMATE, ASCORBYL PALMITATE** — An oil-soluble form of vitamin C. (See also Ascorbic acid.)

**ASTER TRIPOLIUM** — **Sea Aster**. Soothing agent clinically proven to reduce redness and sensitivity on the skin when used twice daily for 28 days. An excellent addition to calming formulas for sensitive complexions.

**ASTRAGALUS GUMMIFER** — **Gum Tragacanth**. A thickener and binding agent in creams and lotions, this herbal gum is also a key ingredient in natural setting lotions, hairsprays and gels. Both gum arabic and gum tragacanth are natural alternatives to synthetic polymers (such as PVP) found in most commercial hair products.

**AUBREY'S PRESERVATIVE** — Natural preservative blend composed of grapefruit extract and antioxidant-rich vitamins A, C and E. This preservative extends the life of products by no less than one year and sometimes as much as three years, depending on the product.

**AVENA SATIVA KERNEL FLOUR** — **Oatmeal**. Natural cleanser and toner; its mild exfoliating action makes it an excellent addition to facial masks. Has a slight bleaching effect and is said to help fade age spots and other skin imperfections and to even out skin tones.

**AVENA SATIVA STRAW EXTRACT** — **Oat Straw**. Anti-irritant and softening agent, rich in silica. Used in hair products to improve hair texture and add shine.

**BEHENYL ALCOHOL** — A fatty alcohol derived from coconuts, used as an emulsion stabilizer in cosmetic products.

**BENZALDEHYDE** — A component of cassia oil, used as a natural fragrance for its pleasant almond scent.

**BENZYL ACETATE** — Organic compound found in flowers. Used as a natural fragrance.

**BENZYLIC ACID** — See Fruit Acids.

**BETA VULGARIS** — **Beet Root Extract**. Rich in polysaccharides, this powerful humectant is clinically proven to boost the skin's natural moisturizing factor, forming a film on the skin that actually locks moisture in for up to 8 hours. Phytonutrients enhance cell renewal and a high antioxidant content protects skin from free radical damage. The extract or juice of beets is also sometimes used as a natural red color in cosmetics.

**BETA-CAROTENE** — Orange or red compounds, precursors to vitamin A, which occur naturally in plants. Essential for skin health. (See also *Daucus carota sativa* root extract.)

**BETAINE** — A natural humectant derived from sugar beets. Used in hair care formulations as a foam enhancer and conditioning agent.

**BETULA ALBA** — **White Birch Extract.** Powdered extract from the bark of the birch tree, known for its soothing and purifying effect on the skin. Herbalists use it in the treatment of many skin disorders. An excellent addition to sun care products and face creams.

**BIOTIN** — Also known as vitamin H, biotin is part of the B vitamin group. It is an important factor in the growth of tissue and the proper functioning of the oil glands. A biotin deficiency can lead to dry skin, seborrheic dermatitis and the formation of dandruff and crusts in the scalp. Biotin is vital for the maintenance of a normal fat metabolism, and is essential for hair growth and scalp health.

**BIXA ORELLANA** — **Annatto, Bixane Herb.** The waxy extract from a South American shrub, used as a natural color. Annatto is reddish-brown in color, but when mixed with an acid becomes a deep red.

**BORAGO OFFICINALIS SEED OIL** — **Borage Oil.** Nutrient-dense oil high in rare gamma-linolenic acid (GLA), also found in human breast milk. An anti-inflammatory and soothing agent, very beneficial for some dry skin conditions. Combined with *Rosa Mosqueta*® (*Rosa rubiginosa*) oil and alfalfa extract (*Medicago sativa*), borage oil is an excellent ingredient for dry or mature skin preparations.

**BRASSICA CAMPESTRIS** — **Canola Oil, Turnip Oil.** An excellent emollient and conditioning agent, often combined with chinawood (tung) oil in hair care products. (See *Brassica campestris/Aleurites fordii* oil.)

**BRASSICA CAMPESTRIS / ALEURITES FORDI OIL** — A natural copolymer made by combining chinawood (tung) and turnip (canola) oils under heat and pressure. Gives shine and slip to hair and lip care products. No plastics or chemical additives are used in making this copolymer.

**BUCHU LEAF** — Antiseptic and anti-inflammatory helps dissolve excess oil and soothes and purifies the complexion. An excellent ingredient in preparations for acne-prone skin and blemishes.

**BUTYROSPERMUM PARKII — Shea Butter.** Butter obtained from the nuts of the mangifolia tree in Central Africa, also known as karite butter or African butter. A superb emollient, high in fatty acids and other nutrients, it is an ideal ingredient for skin moisturizers, sun care products and hair conditioners.

**CALAMINE** — Natural blend of zinc oxide and a small amount of ferric oxide, used in skin lotions, ointments and liniments for the treatment of itchy skin and rashes.

**CALCIUM ASCORBATE — Ester-C® Topical.** A patented form of natural vitamin C, both oil- and water-soluble, clinically shown to retain its potency longer than other forms. While ordinary vitamin C degrades quickly in skin care products, Ester-C® Topical is stable and delivers the full benefit of this powerful antioxidant, penetrating into deep layers of the skin to promote collagen production. (Ester-C® is a registered trademark of Inter-Cal Corporation.)

**CALCIUM PANTOTHENATE** — See Panthenol.

**CALCIUM PYROPHOSPHATE** — Mild abrasive added to tooth-pastes for cleaning and whitening teeth.

**CALENDULA OFFICINALIS — Calendula.** The common marigold, known for its healing and analgesic properties. It is a frequent ingredient in ointments and natural deodorants. Contains saponins. Sometimes used as a natural yellow color.

**CALLITRIS INTRATROPICA — Blue Cypress Oil.** Essential oil widely used in Australia for its woody fragrance and antibacterial properties. A natural disinfectant and freshener; blue cypress oil makes an excellent addition to bath products and room deodorizers.

**CALODENDRUM CAPENSE — Yangu Oil.** Rich emollient cold pressed from the seeds of the African Cape chestnut tree and used for generations for its hair and skin conditioning properties. High in essential fatty acids and antioxidants, it is an excellent moisturizer and nutrient.

**CAMELLIA SINENSIS OIL, CAMELLIA JAPONICA OIL — White Camellia Oil.** Rich oil extracted from the white camellia flower; cultivated in the villages of China and Japan and used in hair and skin care formulations for thousands of years. A superb moisturizer and nutrient for hair and skin, it has antioxidant properties.

**CAMELLIA SINENSIS LEAF EXTRACT, LEAF POWDER — Green Tea.** The benefits of green tea to the skin have been widely

documented. This powerful antioxidant (20 times stronger than vitamin E) inhibits the formation of cancer-causing free radicals and helps prevent skin cell damage caused by sun exposure and pollution. An important ingredient in sun care products, as well as in creams, lotions, shampoos and conditioners. An anti-inflammatory and anti-irritant, it is high in xanthines, very soothing and moisturizing to both hair and skin. Powdered Matcha green tea from Japan is the finest.

**CANANGA ODORATA — Ylang Ylang Oil.** Essential oil used for its skin-soothing properties and spicy floral scent.

**CANNABIS SATIVA OIL — Hemp Seed Oil.** A rich emollient and skin nutrient, high in essential fatty acids (linolenic and linoleic) and antioxidant vitamins A and E. Very soothing and moisturizing to the skin.

**CAPRYLIC / CAPRIC TRIGLYCERIDE —** Lightweight emollient derived from glycerin and coconut oil that helps support the skin's moisture barrier. A superb conditioning agent, it adds to the spreadability of creams and lotions and helps promote the delivery of vitamins and other beneficial ingredients onto the skin.

**CAPSICUM FRUTESCENS FRUIT EXTRACT — Cayenne Pepper Extract.** Its active ingredient, capsaicin (the chemical responsible for making peppers hot) is a powerful analgesic that works by blocking the activity of substance P, responsible for the transmission of pain impulses in the body. An excellent anti-inflammatory and warming agent, used in massage lotions and liniments to soothe tight, overworked muscles and tension.

**CARAMEL —** A natural color.

**CARICA PAPAYA — Papaya.** An excellent skin softener; its enzymatic action mildly exfoliates.

**CARMINE —** A stable, natural pigment harvested from the wings of the cactus beetle, which provides a bright red color.

**CARNOSINE —** Naturally occurring combination of the amino acids histidine and alanine, used in skin care products for its protective and skin rejuvenating properties. An antioxidant and anti-inflammatory, it protects collagen and elastin fibers in the skin from oxidative stress, improves elasticity and reduces wrinkles and other signs of aging.

**CAROTENOIDS —** See Beta-carotene.

**CARTHAMUS TINCTORIUS — Safflower Oil.** Cold-pressed from safflower seeds. Rich in skin-soothing oleic acid and vitamin E.

**CASTILE SOAP** — A mild, vegetable oil-based soap saponified with an alkaline salt. (See also Potassium cocoate, jojobate and olivate.)

**CEDRUS ATLANTICA — Atlas Cedar.** Aromatic essential oil known for its antiseptic and calming properties on the skin and its warm, woody scent. Its use as a natural fragrance dates back to ancient Egypt.

**CEDRUS ATLANTICA BARK OIL — Cedarwood Oil (Red).** Essential oil known for its anti-irritant properties and its soothing effect on the skin and scalp. Sometimes used as a natural fragrance.

**CELLULOSE GUM** — The most abundant polymer found in nature. Used as a setting agent in hairsprays, styling gels and mousses. A natural alternative to synthetic polymers (such as PVP) found in most mass-produced styling aids. Also used as a binder and thickener in cosmetic products.

**CENTAUREA CYANUS — Bluebottle, Cornflower.** A moisturizing agent for the skin.

**CERA ALBA — Beeswax.** A natural humectant, also used in cosmetics as an emulsifier and thickening agent.

**CETEARYL ALCOHOL** — A mixture of fatty alcohols. Helps stabilize the emulsion in products and has an emollient effect on the skin.

**CETYL ALCOHOL, MYRISTYL ALCOHOL — Coconut Fatty Alcohols.** The long-chain fatty alcohols from coconut palm kernels, which are natural emollients.

**CHAMOMILLA RECUTITA, MATRICARIA RECUTITA — German Chamomile.** A softening agent for rough, dry skin, used since ancient times for its calming and conditioning effects. Its soothing and hydrating properties also work well on the hair and scalp. In hair care formulations, it brings out highlights in blond or light brown hair. See also *Anthemis nobilis* (Roman Chamomile); *Tanacetum annuum* (Blue Chamomile).

**CHENOPODIUM QUINOA — Quinoa Protein.** One of the most complete plant proteins, high in vitamins, minerals and the sulfur-containing amino acids cystine and cysteine, excellent nutrients for the hair, scalp and skin. A fixative in hair styling products, it smoothes layers in the hair's cuticle to strengthen hair fiber, reduce frizzing and



enhance shine. Used in anti-aging creams and facial masks, it firms and nourishes the skin for a more youthful appearance.

**CHLORELLA PYRENOIDOSA** — **Chlorella**. Made up of over 60% protein, this green micro-algae contains all the essential amino acids, and is high in chlorophyll and vitamin B. An excellent nutrient, often used as a skin hydrator.

**CHONDRUS CRISPUS** — **Carrageenan**. Food-grade seaweed gum obtained from Irish moss and other red algae. A natural stabilizer, binding agent and emulsifier; high in sulfur and very nourishing to skin and scalp. Food-grade carrageenan should not be confused with degraded carrageenan, which is a known carcinogen.

**CHYRSANTHEMUM MORIFOLIUM** — **Chinese Chrysanthemum**. Used in Chinese medicine for the treatment of allergic reactions and skin irritations. Known for its soothing effect on the skin and scalp.

**CHRYSANTHEMUM PARTHENIUM** — **Feverfew**. Analgesic and anti-inflammatory. Topically applied, a tincture of feverfew relieves pain and swelling of insect bites, rashes and other skin irritations.

**CHRYSANTHEMUM ROSEUM, CHRYSANTHEMUM SINENSE** — **Chrysanthemum**. Often called Persian pellitory or painted daisy. A natural astringent and skin revitalizer.

**CINNAMOMUM CAMPHORA** — **Ho Wood Oil**. Essential oil, often used as a fragrance. Also known as white camphor.

**CINNAMOMUM CAMPHORA BARK OIL** — **Camphor Oil**. Tonic and freshener used in small amounts in lotions and creams for its cooling and soothing effects. Has anti-inflammatory and antiseptic properties.

**CINNAMOMUM CASSIA** — **Cassia Oil**. A natural fragrance, very similar to cinnamon.

**CINNAMOMUM ZEYLANICUM BARK POWDER** — **Cinnamon**. Fragrant spice used as a coloring agent in natural makeup. Has antioxidant and antimicrobial properties.

**CITRIC ACID** — Extract from citrus fruits used as a natural pH adjuster in cosmetics. Added to shampoos, it acts as a chelating agent, binding to chlorine and iron (from hard water) and removing them from the hair.

**CITRULLINE** — An amino acid found in the skin of watermelon, sometimes known as L-Citrulline. An antioxidant and conditioning agent used in anti-aging formulas for its water-binding properties on the skin. (See also *Citrullus lanatus*.)

**CITRULLUS LANATUS — Watermelon Extract.** Used in skin care for its moisturizing effect and as a defense against UV damage to the skin's DNA.

**CITRUS AURANTIFOLIA — Lime Oil.** Essential oil extracted from the peel of the fruit. A natural antiseptic and tonic, often used as a scent.

**CITRUS AURANTIUM — Neroli Oil.** Oil distilled from the blossoms of the bitter orange tree. Its antibacterial and balancing properties make it a good addition to skin care products.

**CITRUS AURANTIUM DULCIS — Sweet Orange Oil, Peel.** Essential oil expressed from the peel of sweet oranges (Navel, Jaffa, Valencia). An anti-inflammatory, antibacterial and antifungal used for its refreshing properties and pleasant scent. Contains flavonoids and vitamins A, B, C and E.

**CITRUS BERGAMIA — Bergamot Oil.** Essential oil from the peel of the fruit, an analgesic and tonic, sometimes used as a fragrance. Only bergapten-free oil should be used.

**CITRUS GRANDIS — Grapefruit Oil.** An essential oil extracted from the peel of the fruit. Used in creams and lotions for its astringent and skin-freshening properties. Sometimes used as a fragrance.

**CITRUS GRANDIS EXTRACT — Grapefruit Extract.** Shown to have antifungal, antimicrobial and antiviral properties. Combined with antioxidant vitamins, it makes an effective plant-based preservative.

**CITRUS LIMON PEEL OIL TERPENES —** A concentrated form of lemon oil, used as a natural fragrance. (See also *Citrus medica limonum*.)

**CITRUS MEDICA LIMONUM — Lemon Oil/Lemon Peel Oil.** Essential oil with antioxidant and antibacterial properties, often used in cosmetics as a skin freshener and for its cool, pleasant fragrance.

**CITRUS NOBILIS — Mandarin Peel Extract.** Natural anti-inflammatory known to improve skin and scalp circulation. Has a slight bleaching effect on the skin, helping fade freckles and other skin imperfections.

**CITRUS PARADISI — Grapefruit Oil.** An essential oil extracted from the peel of the fruit. Used in creams and lotions for its astringent and skin-freshening properties. Sometimes used as a fragrance.

**CITRUS RETICULATA OIL — Mandarin, Red Mandarin.** Antiseptic and astringent. Often used as a fragrance.

**CITRUS SINENSIS — Orange Pith Juice.** The plant liquid squeezed from the pith and peel of oranges after they have been juiced. High in vitamin C and pectinic acid, it helps smooth the cuticle of the hair to lock in nutrients and enhance shine.

**CITRUS SINENSIS OIL — Sweet Orange Oil.** Essential oil expressed from the peel of sweet oranges (Navel, Jaffa, Valencia). An anti-inflammatory, antibacterial and antifungal used for its refreshing properties and pleasant scent. Contains flavonoids and vitamins A, B, C and E.

**CITRUS TANGERINA — Tangerine Oil.** An antiseptic and tonic, often used as a fragrance.

**CLEMATIS VITALBA LEAF EXTRACT — Clematis.** Applied topically, this herb has anti-inflammatory properties and a soothing effect on the skin.

**COCO-GLUCOSIDE —** Natural cleansing and foaming agent made from coconut oil and corn sugar; which helps increase the lathering action in shampoos and liquid soaps. This mild, natural detergent has a similar composition to saponins (plant glycosides) obtained from soap bark (quillaya) and yucca root.

**COCONUT FATTY ACID CREAM BASE —** Absorption base containing essential fatty acids, coconut fatty alcohols from palm kernels, aloe vera and vitamins A, C and E. Rich in linoleic and linolenic acids (vitamin F), excellent nutrients and skin conditioners. In hair care products, it is often combined with the important amino acids cysteine and methionine, which are high in sulfur and excellent for the hair and scalp.

**COCONUT FATTY ALCOHOLS —** See Cetyl alcohol, Myristyl alcohol.

**COCOS NUCIFERA FRUIT JUICE — Coconut Milk.** The milk from coconuts, a natural hair and skin hydrator.

**COCOS NUCIFERA OIL — Coconut Oil.** Rich emollient expressed from coconuts. It is naturally converted into a soap through a saponification reaction with an alkaline salt. Beware of cosmetics that bill themselves as natural and use a synthetically processed derivative, sodium lauryl sulfate, claiming it comes from coconut oil. Accept nothing but the real thing in its natural form.

**COLLAGEN —** See Soluble Collagen.

**COMMIPHORA MYRRHA — Myrrh.** A superb moisturizer and freshener with skin-regenerating properties. Ideal for sensitive skin. Often used as a fragrance.

**COPERNICIA CERIFERA — Carnauba Wax.** Plant wax used as a thickening agent in cosmetics, and to increase the spreadability of powdered makeup for better coverage.

**CORIANDRUM SATIVUM — Coriander Seed Oil.** Antibacterial, often used in cosmetics for its spicy fragrance.

**CORTHELLUS SHIITAKE — Shiitake Mushroom Extract.** Anti-inflammatory and anti-irritant. Calms and hydrates skin and helps promote skin cell health. Contains kojic acid, which can have a brightening effect on age spots and other imperfections.

**CUCUMIS SATIVUS FRUIT EXTRACT — Cucumber.** Used in face creams, lotions and cleansers for its astringent, soothing and cooling properties. Rich in antioxidant vitamin C, an excellent protector and skin nutrient.

**CURCUMA LONGA — Turmeric Oil.** A spice known for its powerful anti-inflammatory and skin-soothing properties.

**CYAMOPSIS TETRAGONOLOBA — Guar Gum.** Extract from the guar bean, used as a thickener and emulsifier in cosmetic products.

**CYMBOPOGON CITRATUS — Lemongrass.** Antimicrobial and antifungal often used as a fragrance. Has antioxidant properties. An excellent normalizer for oily skin.

**CYMBOPOGON MARTINI — Palma Rosa Oil.** Essential oil used for its pleasant scent and hydrating and tonic effects on the skin.

**CYMBOPOGON NARDUS — Citronella.** Aromatic essential oil often used in fragrance blends. Also used as a natural insect repellent at very high concentrations.

**CYSTEINE, CYSTINE — Sulfur-rich amino acids,** very beneficial to the hair and skin. (See also Amino Acids.)

**D-ALPHA TOCOPHEROL — Vitamin E.** The most potent antioxidant vitamin around, it protects skin from cancer-causing free radicals and is essential for proper utilization of oxygen in the tissues. In cosmetics it also acts as a natural preservative, protecting the oil phase in creams and lotions.

**DAUCUS CAROTA SATIVA ROOT EXTRACT — Carrot Oil.** The seeds of carrots yield an essential oil rich in beta carotene,

orange or red compounds that are precursors to vitamin A and occur naturally in plants. Also high in vitamin E, carrot oil promotes skin cell regeneration and stimulates the production of sebum in dry scalp and skin. Its high antioxidant content makes it an excellent natural preservative in cosmetic formulations.

**DECYL GLUCOSIDE** — Natural cleansing and foaming agent made from coconut/corn sugar and used in shampoos and liquid soaps for its mild lathering properties. See also Coco-glucoside.

**DEHYDROACETIC ACID** — An organic compound used in cosmetic preparations for its antibacterial and antifungal properties. A natural preservative.

**DESERT HERB COMPLEX** — Unique hair care herbal blend consisting of organic jojoba (*Simmondsia chinensis*), aloe (*Aloe barbadensis*) and yucca root (*Yucca schidigera*). (For more information on these ingredients, see individual entries.)

**DIPTERYX ODORATA** — **Tonka Bean.** Used for its natural fragrance, reminiscent of vanilla.

**DYCAPRYLYL CARBONATE** — Plant-derived fat used as an emollient and skin conditioner. Added to sunscreens, moisturizers and anti-aging formulations, it increases the spreadability of the product. It is considered a “dry emollient” for its ability to soften skin and replenish its moisture content without leaving a greasy feel.

**ECHINACEA ANGUSTIFOLIA, ECHINACEA PURPUREA** — **Echinacea, Coneflower.** Two varieties of this versatile herb are used both internally and externally in folk medicine as natural antibiotics to treat a variety of ills. A number of studies have pointed to its antibacterial and antifungal properties. Its root extract is used in cell therapy and anti-wrinkle creams as a hydrator and firming agent.

**ECLIPTA ALBA** — **False Daisy.** Used as a natural coloring agent in henna hair preparations.

**EGG OIL** — The extract from whole eggs, rich in natural emulsifiers. An excellent emollient and humectant featured in shampoos, rinses and conditioners for dry or damaged hair. In skin care products, it improves texture and soothes and hydrates without clogging pores.

**ELAEIS GUINEENSIS** — **Palm Oil, Palm Kernel Oil, Palm Soap.** Oil obtained from the seeds or fruit of the palm tree. Saponified with an alkaline salt, it is used in the manufacture of bar soaps. (See also Sodium Palmate.)

**ELASTIN** — See Hydrolyzed Elastin.

**ELETTARIA CARDAMOMUM** — **Cardamom Oil.** Antioxidant and antiseptic. One of the oldest essential oils known, its use dates back to ancient Egypt.

**EMBLICA OFFICINALIS** — **Indian Gooseberry.** Used as a natural coloring agent in henna hair preparations.

**EPILOBIUM ANGUSTIFOLIUM** — **Canadian Willowherb.** Anti-inflammatory and soothing agent shown in clinical studies to work faster and better than many hydrocortisone creams in reducing itching and irritation. A superb skin care ingredient, often used in sun care products. Contains salicylic acid.

**EQUISETUM HIEMALE, EQUISETUM ARVENSE** — **Horsetail, Bottlebrush.** Nutrient-rich herbal high in silica, essential to collagen production. A vegan alternative to collagen treatments, it firms and refreshes the skin and promotes healing. Often used in conjunction with coltsfoot in hair care products, it strengthens the hair shaft and adds sheen and elasticity.

**ERYTHRAEA CENTAURIUM** — **Centaury, Century Herb.** Used in cosmetics for its soothing and astringent properties. Applied topically, it helps even out skin tones and fade freckles and other skin discolorations. Also used as a natural color.

**ESSENTIAL FATTY ACIDS** — See Glyceryl linoleate, Glyceryl linolenate.

**ESSENTIAL OILS** — Volatile liquids extracted from plant materials by steam distillation or expression, which contain the characteristic plant aroma. Unlike fixed plant oils (such as olive oil), essential oils evaporate at room temperature and do not leave an oily residue on the skin.

**ETHANOL** — A natural alcohol made from fermented sugars. (See also Alcohol denat.)

**EUCALYPTUS GLOBULUS** — **Eucalyptus Oil.** Essential oil with powerful antiseptic, antibacterial and antifungal properties. Used in cleansers, massage formulations and bath soaks for its cooling, soothing

effect on the skin. Herbalists recommend a few drops of the oil in a hot bath to open up blocked sinuses and help clear a stuffy nose.

**EUGENIA CARYOPHYLLATA — Clovebud Oil.** Fragrant oil often used in aromatherapy. Has antiseptic properties.

**EUGENIA CARYOPHYLLUS FLOWER OIL — Clove Oil.** Soothing agent and antiseptic. Herbalists often recommend this fragrant herb for sensitive teeth and gums.

**EVERNIA PRUNASTRI — Oakmoss.** The extract from a lichen that grows on oak trees, used as a fixative in cosmetic products.

**FATTY ACID ESTERS —** Waxes derived from plants or animals, which are less greasy than fatty acid extracts. Jojoba (*Simmondsia chinensis*) and lanolin are examples of fatty acid esters. Used in absorption bases, and as emulsifiers in cosmetics.

**FATTY ACIDS —** Basic building blocks of fats and oils. (See Glycerol linoleate, Glycerol linolenate.)

**FERULA GALBANIFLUA — Galbanum.** Used in cosmetics for its leafy fragrance, and as a fixative for other scents.

**FIR OIL — Abies sibirica.** Aromatic extract with antimicrobial and tonic properties. An excellent addition to facial cleansers and natural deodorants. Often used as a fragrance.

**FOENICULUM VULGARE — Fennel.** Rich in oleic and linoleic acids, essential fatty acids. It has a tightening and firming action on the skin.

**FRACTIONATED COCONUT OIL —** See Caprylic/capric triglyceride.

**FRAGARIA VESCA — Strawberry.** Astringent and tonic. Often used as a natural flavor.

**FRUCTOSE —** A sugar found in fruits and honey that soothes, hydrates and encourages moisture retention in the skin.

**FRUIT ACIDS —** A group of acids naturally occurring in fruits and herbs, used in cosmetics for thousands of years to clear and smooth the complexion. They work by loosening the “glue” that holds the outer layer of cells to the surface of your skin, thereby encouraging exfoliation and more rapid turnover of skin cells. The patented trade name for fruit acids is Alpha-hydroxy acids,

which are synthetically derived in most commercial formulations. (Alpha-hydroxy acids are now common ingredients in cosmetics, but were originally used as solvents in cleaning compounds and for tanning leather.) Some natural sources for fruit acids include bilberry herb, black currant, grapefruit, tomato, wine and grapes (glycolic, malic, pyruvic, benzylic, citric, tartaric and lactic acids).

**FUCUS VESICULOSUS EXTRACT — Bladderwrack.** Seaweed rich in alginic acid, amino acids, polysaccharides, minerals and vitamins. Its essential oil is a stimulant and tonic. It is often used in massage lotions and some hair and scalp care products.

**FUMARIA OFFICINALIS — Fumitory, Earth Smoke.** A superb tonic and purifier; this ancient Chinese herbal is known for its brightening effect on the skin. Combined with ginkgo leaf, it is very beneficial to the hair and scalp.

**GALACTOARABINAN —** A polysaccharide extracted from the larch tree. In sun care products, it improves the SPF of sunscreens by reducing particle size of ingredients, increasing their ability to disperse onto the skin. Has antioxidant properties.

**GAULTHERIA PROCUMBENS — Wintergreen Oil.** A tonic, stimulant and freshener; this aromatic oil has a warming action on the muscles and skin. Excellent in body rubs and bath oils, as well as mouthwash and toothpaste formulations. Is very high in salicylic acid.

**GINKGO BILOBA — Ginkgo Leaf Extract.** Ancient Chinese herbal used in preparations to combat the effects of aging since 2,800 B.C. An anti-inflammatory and antiallergenic, very soothing to the skin and scalp. Combined with fumitory in hair care products, it increases the hair's ability to absorb nutrients and improves scalp circulation.

**GLUCONOLACTONE —** A gluten-free fermented food starch derived from corn. Can also be found in bee's honey. A natural preservative, it has a moisturizing and soothing effect on the skin.

**GLUCOSE —** A fruit sugar from corn and grapes that soothes and hydrates the skin, encouraging moisture retention.

**GLUCOSE OXIDASE —** An enzyme with natural antibacterial properties.

**GLUTAMIC ACID —** An amino acid. (See Amino Acids.)



**GLYCERIN — Vegetable Glycerin.** Rich humectant, emollient and lubricant naturally extracted from vegetable oils, used in cosmetic formulations for thousands of years. (Synthetic glycerin, otherwise known as propylene glycol, is highly irritating to the skin and scalp and should be avoided.)

**GLYCEROL ISOSTEARATE** — A glyceryl ester used in cosmetics as an emollient and thickening agent.

**GLYCERYL CAPRYLATE** — An emulsifier, also used in cosmetic formulations for its antimicrobial activity.

**GLYCERYL LINOLEATE, GLYCERYL LINOLENATE** — **Vitamin F.** Skin protectors and revitalizers consisting of linoleic and linolenic acids, two essential fatty acids. Used in moisturizers, they soothe rough, dry or chapped skin on contact and help soften and revitalize dry or damaged hair.

**GLYCERYL STEARATE** — Humectant and skin conditioner derived from vegetable fatty acids.

**GLYCERYL UNDECYLENATE** — An emulsifier, also used in cosmetic formulations for its antimicrobial activity. Has skin-conditioning properties.

**GLYCINE SOJA — Soybean Oil.** Good emollient, high in linoleic, oleic, palmitic and linolenic acids, essential fatty acids necessary for healthy skin.

**GLYCOGEN** — A sugar-based carbohydrate (polysaccharide) the body uses for energy storage. (See Glycoprotein.)

**GLYCOLIC ACID** — Fruit acid from sugar cane and other sources, often used in exfoliating masks and lotions to help remove dead skin cells and promote new cell growth. (See also Fruit Acids.)

**GLYCOPROTEIN** — A protein linked to a polysaccharide (glycogen). Glycoproteins (ours are derived from yeast) contain sugars and amino acids, which help strengthen and smooth hair fiber.

**HAMAMELIS VIRGINIANA — Witch Hazel.** A byproduct of the distillation of the leaves and stems of the plant, this hydrosol or floral water is a natural astringent and tonic. An anti-irritant and anti-inflammatory, it is an excellent ingredient in facial cleansers, toners and lotions.

**HEDERA HELIX — Ivy.** Antifungal often found in massage lotions and anticellulite preparations for its skin-toning and firming properties. Contains malic acid, a natural fruit acid that encourages skin cell turnover. (See also Fruit Acids.) Also used in shampoos and hair products for dandruff and other scalp problems. Contains saponins.

**HELIANTHUS ANNUUS — Sunflower Oil.** The extract from sunflower seeds, a rich emollient high in linoleic and oleic essential fatty acids. A good base for massage oils and lotions.

**HIPPOPHAE RHAMNOIDES — Sea Buckthorn Oil.** Richest herbal source of antioxidant vitamins E and A (beta-carotene and other carotenoids), which help prevent the formation of free radicals. This nourishing oil is also high in essential fatty acids, particularly rare palmitoleic acid, a constituent of the skin's sebum. An excellent soothing agent for stressed or acne-prone skin and sunburn.

**HONEY —** Light humectant and nutrient used as a thickening agent to give body to facial masks, creams and lotions.

**HUMULUS LUPULUS — Hops.** Antimicrobial and sedative, very soothing and toning to the hair and skin. In hair care preparations, it adds body and softness and is helpful in the treatment of dandruff and other scalp conditions. Combined with chamomile, it reduces swelling and relieves itching and irritation.

**HYDROLYZED CORN STARCH — Corn Syrup.** Natural chelating agent added to shampoos to improve rinseability by binding to iron (from hard water) and chlorine and removing them from the hair. Also used as an emulsifier and humectant.

**HYDROLYZED ELASTIN —** A naturally derived, water-soluble protein of bovine origin. Elastin is one of the three main proteins found in the skin, along with collagen and reticulin. Applied topically, it helps attract and retain moisture.

**HYDROLYZED KERATIN —** A combination of complex proteins, keratin is the key structural component of the hair, making up about 90% of healthy hair fiber. Used in hair products, it bonds to individual strands and forms a protective coating that helps seal in moisture and nutrients and smoothes the hair cuticle to reduce frizzing and add shine.

**HYDROLYZED OAT PROTEIN —** A natural humectant used in skin care formulations for its powerful anti-aging properties. Used

regularly, oat protein has been clinically shown to reduce the appearance of fine lines by 34% and deep wrinkles by 57%, and to keep skin hydrated for up to eight hours after application. In hair care preparations, it is an excellent conditioner and nutrient.

**HYDROLYZED RHODOPHYCEA — Red Algae Extract.** See Algae extract.

**HYDROLYZED SOY PROTEIN** — Water-soluble protein naturally derived from soy via the enzymatic hydrolysis process. Applied topically, it is an excellent hydrator that improves the texture and resiliency of the skin. In hair care formulas, it coats porous and damaged areas to strengthen and mend hair fiber. In hair care preparations it is an excellent conditioner and nutrient.

**HYDROLYZED SWEET ALMOND PROTEIN** — Protein naturally extracted from almonds, an excellent hair conditioner and nutrient. See also Hydrolyzed Vegetable Protein.

**HYDROLYZED VEGETABLE PROTEIN** — Termed the building block of life, protein is our most important food, a leading source of vitamins and essential amino acids. Generally found in meats, eggs and dairy products, protein can also be obtained from soy, wheat and other plant sources. Applied topically, vegetable protein is an excellent hydrator; readily absorbed by the skin for improved texture. In hair care formulas, it combines with fatty acids and amino acids to coat porous or damaged hair and split ends. (See also Hydrolyzed oat protein, Hydrolyzed soy protein, Hydrolyzed wheat protein.)

**HYDROLYZED WHEAT PROTEIN** — Water-soluble protein naturally derived from wheat. Applied topically, it helps attract and retain moisture and is clinically proven to minimize fine lines and wrinkles. In hair care formulas, it coats porous and damaged areas to strengthen and mend hair fiber. (See also Hydrolyzed vegetable protein.)

**HYDROSOLS — Floral Waters.** Hydrosols are byproducts of the steam distillation of plant materials. While essential oils are concentrated forms of plant essences, hydrosols are highly diluted, made up of variable ratios of plant materials to water. To protect consumers, standards are being developed to determine an acceptable ratio. Quality hydrosols are beneficial to skin and hair, but do not offer all the synergy of natural, unprocessed plant liquids (e.g., aloe vera and orange pith juice).

**HYPERICUM PERFORATUM — St. John's Wort.** Although this calming herb is best known as a natural antidepressant, its oil form is an excellent emollient and skin softener; widely used in sun and skin care products for its healing properties on dry, irritated skin. Also beneficial to damaged hair and dry scalp. Not phototoxic when used topically.

**ILEX PARAGUAYENSIS — Mate, Yerba Mate.** This rainforest native is a powerful anti-inflammatory and nutrient, high in vitamins and amino acids.

**ILLICIUM VERUM — Anise Oil.** Essential oil used as a natural fragrance.

**INDIGOFERA TINCTORIA — Indigofera.** A safe, natural plant color (deep blue to purple). Has antiseptic properties.

**INOSITOL —** Naturally occurring in lecithin, this B vitamin is produced by the body in greater quantities than any other nutrient. Essential for cell respiration, it helps maintain skin and scalp health.

**IODIDES —** Compounds containing iodine, naturally occurring in plants that grow in the sea. Applied topically, they are excellent antiseptics.

**IRON OXIDES — Hematite.** A mineral used as a coloring agent in face powders and makeups. Varies in color from reddish-brown to black.

**JASMINUM OFFICINALE — Jasmine Oil.** Essential oil of the aromatic flower; widely used in aromatherapy for its calming effect and as a natural fragrance in cosmetics and perfumes. A popular herbal medicine in China, very soothing to the skin and scalp.

**JOJOBA ESTERS — Jojoba Butter.** Natural butter made from jojoba oil. An excellent emollient for hair and skin.

**JOJOBA ESTERS (BEADS) — Jojoba Wax Spheres.** Made from jojoba wax, these perfectly smooth microscopic beads act as gentle exfoliants in masks and scrubs. A natural alternative to polyethylene beads (plastic) found in some skin care products.

**JUGLANS REGIA EXTRACT — Walnut Extract.** Tonic and astringent, very beneficial to the skin and scalp. Also used as a temporary brown hair color, often in combination with henna.

**JUGLANS REGIA SHELL POWDER — Walnut Shells.** Natural exfoliants used in facial masks. The mild scrubbing action of ground walnut shells helps break up oil deposits and clear away dead skin cells and debris.

**JUNIPERUS OXYCEDRUS — Cade Wood Oil.** Essential oil obtained by steam distillation of the wood from the juniper tree. Used by European herbalists as a cleanser and toner to help clear and condition the scalp and prevent flaking. Today coal tar, a dangerous petrochemical, is generally used in its place in many mass-produced hair care products.

**KAOLIN — Mt. Kaolin Clay.** A fine, natural clay from Mt. Kaolin, China, known for its drawing properties. Often used in deep-cleansing face masks.

**KERATIN —** See Hydrolized Keratin.

**LACTALBUMIN — Lactis proteinum.** Milk protein, high in lactic acid and containing the eight essential amino acids. It has been labeled “the most perfect protein.” An excellent ingredient in conditioners for dry or damaged hair.

**LACTIC ACID —** An acid naturally occurring in milk and fruits, which produces pH levels like those of the hair and skin. A rich moisturizer.

**LACTIS PROTEINUM — Lactalbumin.** See Milk protein.

**LACTOPEROXIDASE —** A protein commonly found in milk. Its powerful enzymatic action makes it a natural antibacterial.

**LAMINARIA DIGITATA — Laminaria.** Seaweed high in antioxidants and iodine helps attract and retain moisture on the skin. An excellent humectant and nutrient.

**LAMINARIA OCHROLEUCA — Golden Seaweed.** Anti-inflammatory and humectant, rich in plant sterols. Helps attract and retain moisture and protect skin from environmental stressors.

**LANOLIN OIL — Lanolin.** The oil obtained from the wool of sheep, used as an absorption base in moisturizers and hair products.

**LAURUS NOBILIS — Bay Laurel.** Essential oil obtained from the leaves of the bay laurel tree, indigenous to the Mediterranean. Often used as a spice or fragrance, it also acts as a scalp clarifier and tonic.

**LAUROYL LYSINE —** Fine powder derived from the amino acid lysine and lauric acid from coconut. Adds a silky feel to makeup powders.

**LAURYL GLUCOSIDE** — A surfactant and foaming agent naturally derived from coconut/beet sugar. It has excellent lathering capabilities and conditioning properties, and is very gentle on the hair and skin. It can be used alongside other glucosides to enhance the foam and increase the conditioning action of a product. Because it is a non-irritant, it is often used in preparations for sensitive skin and scalp.

**LAVANDULA ANGUSTIFOLIA** — **Lavender, English Lavender.** Essential oil obtained from lavender flowers. Added to skin and hair care preparations for its soothing and antiseptic properties and pleasant fragrance.

**LAVANDULA ANGUSTIFOLIA FLOWER WATER** — **Lavender Water.** A byproduct of the distillation of lavender flowers, this hydrosol or floral water is a natural hydrating and soothing agent. An anti-irritant and antiseptic, it is an excellent ingredient in facial cleansers, toners and lotions for sensitive skin.

**LAVANDULA HYBRIDA** — **Lavadin.** Hybrid obtained from crossing lavender and aspic. Its essential oil has antiseptic and soothing properties.

**LAVENDER-GLYCERIN** — Obtained by the maceration of lavender flowers in vegetable glycerin. Very soothing to the skin.

**LAWSONIA INERMIS ALBA** — **Henna Extract.** A staple in shampoos and hair rinses for thousands of years for its coloring and/or conditioning properties. In its most common form, it is used to impart red or reddish-brown tones to the hair. Non-coloring (neutral) henna adds body and highlights without altering hair color.

**LECITHIN** — A vegetable extract high in natural fatty acids. Most common sources are soybean oil and eggs. (See also Phospholipids.)

**LEPTOSPERMUM SCOPARIUM** — **Manuka Oil.** Analgesic, anti-fungal and antibacterial. Used by New Zealand's Maori people for its medicinal properties, this herbal oil has five times the antiseptic properties of tea tree oil and has a pleasant, honey-like fragrance.

**LEUCONOSTOC / RADISH ROOT FERMENT FILTRATE** — A natural antimicrobial, obtained from the fermentation of radish roots.

**LINOLEIC ACID, LINOLENIC ACID** — See Glyceryl linoleate, Glyceryl linolenate.

**LINUM USITATISSIMUM EXTRACT** — **Flaxseed Lignans.** Phytonutrients found in flaxseeds, known for their antioxidant,

anti-inflammatory and oil-balancing properties on the skin. Clinical tests show that, applied twice daily, flax lignans decrease sebum production by as much as 20% after 28 days. Used in skin care formulations to prevent acne and clogged pores and reduce ingrown hairs and skin bumps caused by shaving.

**LINUM USITATISSIMUM SEED OIL — Flaxseed Oil.** Emollient and anti-inflammatory, high in essential fatty acids, B vitamins, protein and minerals. Very nourishing to dry hair and skin, whether taken internally or applied topically.

**LIPOSOMES —** Micro-capsules or sacs made from fatty substances (phospholipids), easily absorbed by the skin. Used in creams and lotions, they penetrate deeply to deliver nutrients, moisture and other substances contained within the sac to internal layers of the skin. (See also Phospholipids.)

**LIQUIDAMBAR STYRACIFLUA — Styrax Oil.** A natural fragrance.

**LITSEA CUBEBA FRUIT OIL —** An antiseptic and astringent, often used in soaps and lotions as a scent fixative.

**LONICERA CAPRIFOLIUM, LONICERA JAPONICA — Honeysuckle, Japanese Honeysuckle.** An excellent cleanser and purifier used in facial creams, shampoos and soaps. The oil adds a pleasant, sweet fragrance to cosmetics.

**LYSINE —** See Amino Acids; Lauroyl lysine.

**LYSOZYME —** A natural enzyme.

**MACADAMIA TERNIFOLIA — Macadamia Nut Oil.** An excellent moisturizer and protector for hair and skin. High in essential fatty acids, its natural affinity to human sebum makes it an excellent skin care ingredient.

**MACROCYSTIS PYRIFERA — Kelp.** Seaweed high in iodine and vitamins A, B-complex, C and E. A skin and scalp nutrient, very soothing and toning.

**MAGNESIUM —** A mineral essential for nutrition and absorption of calcium and vitamin C. Applied topically, it helps regulate oil production in the skin and scalp.

**MAGNESIUM SULFATE —** A natural anti-inflammatory, commonly known as Epsom Salts. Sometimes used as an emulsion stabilizer to keep products from separating.

**MAGNOLIA BIONDII — Magnolia Blossom Extract.** Natural tonic and anti-irritant added to face creams for its slight bleaching effect on the skin. Sometimes used as a fragrance.

**MALTRODEXTRIN —** Natural sugar from plant starches, used as a stabilizer in cosmetic preparations.

**MALUS DOMESTICA FRUIT CELL CULTURE EXTRACT — Apple Stem Cells.** Harvested from a variety of Swiss apples, Uttwiler Spatlauber, known for their longevity and ability to stay fresh for months, apple stem cells are used in skin care formulations for their anti-aging properties. Recent science has also discovered their powerful beneficial effect on the hair. Rich in phytonutrients and plant proteins, they nourish and support hair follicles to encourage growth and help maintain hair health.

**MALVA SYLVESTRIS — Mallow.** A natural hydrator, its skin-softening properties make it an excellent addition to creams, lotions and facial masks for dry skin. Sometimes used as a wash for tired eyes.

**MANGIFERA INDICA SEED BUTTER — Mango Butter.** Butter made from the seed of the mango, similar to jojoba butter (*Simmondsia chinensis*). An excellent moisturizer.

**MEDICAGO SATIVA — Alfalfa Extract.** Natural cleanser and mild exfoliant high in vitamins A, B, C, D and E, and minerals. Used in face masks, bath oils, creams, and lotions, alfalfa is also rich in protein, which makes it an excellent ingredient for hair care products. Contains saponins (natural foaming agents).

**MELALEUCA ALTERNIFOLIA — Tea Tree Oil.** Essential oil with powerful antiseptic and germicidal properties, similar to eucalyptus oil. Due to its strong odor, it must be used in small amounts in cosmetics, but makes an excellent addition to dandruff shampoos and therapeutic masks and moisturizers.

**MELILOTUS OFFICINALIS — Sweet Clover.** Conditioning and soothing agent. Promotes circulation to the skin and scalp.

**MELISSA OFFICINALIS — Balm Mint.** Very mild extract, ideal for sensitive skin and skin prone to rashes and other allergic reactions. An anti-irritant and sedative, it soothes and calms the skin and scalp and promotes healing.

**MENTHA ARVENSIS — Cornmint Oil.** Essential oil with similar properties to peppermint oil. Often used in soaps for its antiseptic effect and pleasant fragrance.



**MENTHA CITRATA — Bergamot Mint.** Mild antiseptic and tonic, with properties similar to peppermint and spearmint. Sometimes used as a fragrance for its floral, citrusy scent.

**MENTHA PIPERITA — Peppermint Oil.** Excellent antiseptic frequently used in shampoos and rinses for its toning effect on the scalp, and in bath oils for its warming/cooling properties on sore muscles. A natural anti-inflammatory, very soothing to the skin and scalp.

**MENTHA VIRIDIS, MENTHA SPICATA — Spearmint Oil.** Essential oil used for its stimulating and tonic properties and refreshing fragrance. Sometimes used as a flavor.

**MENTHOL —** See *Mentha piperita*.

**METHIONINE —** Sulfur-rich amino acid, very beneficial to the hair and skin. (See also Amino Acids.)

**METHYL BENZOATE —** Natural isolate derived from the fermentation of sugar. Often used as a fragrance.

**MICA —** A transparent mineral used in powdered makeup to improve adhesion, even out skin tones and give a creamy, smooth feel to the product.

**MILK PROTEIN — Lactalbumin.** Protein high in lactic acid and containing the eight essential amino acids. It has been labeled “the most perfect protein.” An excellent ingredient in conditioners for dry or damaged hair.

**MINT —** Any of a variety of aromatic plants (genus *Mentha*) used as a natural antiseptic and freshener. See *Mentha piperita* (Peppermint), *Mentha viridis* (Spearmint) and others.

**MONTMORILLONITE —** Green Clay. Commonly known as French green clay, rich in minerals and other nutrients. Used in deep-cleansing face masks to draw out impurities and balance and clear the skin.

**MORINGA OLEIFERA SEED OIL —** An emollient high in antioxidants, oleic acid and other skin nutrients. Used in skin care formulations for its protective and moisturizing properties.

**MORUS ALBA —** Morus Root. Extract of mulberry root bark, with anti-inflammatory and humectant properties. The Chinese use it for its whitening and smoothing effect on the skin.

**MUCOPOLYSACCHARIDES** — Plant or animal substances that bind with water to form the thick, jelly-like material that cements cells together. Used in skin and hair care formulations for their ability to retain water. Mucopolysaccharides from aloe vera are best.

**MYRISTYL ALCOHOL** — **Coconut Fatty Alcohols**. The long-chain fatty alcohols from coconut palm kernels, which are natural emollients.

**MYRISTICA FRAGRANS** — **Nutmeg**. A popular spice in cooking, the nutmeg essential oil is used in cosmetics for its exotic, spicy fragrance.

**MYROXYLON BALSAMUM** — **Balsam**. Antiseptic and antibacterial widely used in topical preparations for its healing properties, and in hair tonics and antidandruff products. Sometimes also used as a fragrance.

**MYROXYLON PEREIRAE** — **Balsam Peru**. Essential oil very soothing to the skin and scalp. Sometimes used as a fragrance component for its pleasant scent, reminiscent of vanilla.

**MYRTUS COMMUNIS** — **Myrtle Herb Extract**. Aromatic stimulant and mild tonic sometimes used in suncare products for its soothing effect on sun-irritated skin.

**NASTURTIUM OFFICINALE** — **Watercress**. Good source of vitamins A, B-complex and C. Soothing and conditioning, very beneficial to the skin. Also shown to strengthen and thicken hair.

**NATURAL FLOWER OIL** — Oil extracted from flowers and used in synthetic-free perfumes and colognes. A natural fragrance.

**NIACIN** — **Vitamin B-3**. An important B vitamin essential for blood circulation and healthy skin.

**NICOTINIC ACID** — See Niacin.

**NON-GMO** — Not containing any genetically modified substances.

**OCIMUM BASILICUM** — **Basil**. The essential oil from this fragrant spice helps promote circulation. It has detoxifying properties and is often used in products for acne-prone skin.

**OENOTHERA BIENNIS** — **Evening Primrose Oil**. Superb emollient and skin nutrient, high in essential fatty acids. A source of rare gamma-linolenic acid (GLA), also found in human breast milk. Extremely beneficial in the treatment of eczema and other dry skin and scalp conditions.

**OLEA EUROPAEA — Olive Kernel Powder.** Mild exfoliant derived from olive seeds.

**OLEA EUROPAEA LEAF EXTRACT — Olive Leaf Extract.** Used for its antibacterial properties.

**OLEA EUROPAEA OIL — Olive Oil.** Rich emollient high in oleic acid, very beneficial to the skin. Used in hair and skin care preparations for thousands of years for its softening and smoothing effect.

**OLIVE OIL CASTILE — Olea europaea.** Olive oil saponified with an alkaline salt becomes an excellent soap, mild and soothing to the skin. True olive oil castile soap should contain at least 40% pure olive oil.

**OPUNTIA FICUS-INDICA — Prickly Pear.** Antioxidant and nutrient, rich in essential fatty acids, clinically proven to firm and protect skin in 28 days with twice daily use. An emollient and soothing agent, it restores softness and elasticity to dry, mature or sun-damaged skin. An excellent addition to anti-aging products.

**ORIGANUM VULGARE — Oregano Oil.** Powerful antifungal and healing agent. Chinese herbalists have used it for generations to soothe rashes and other skin irritations and relieve itching.

**ORYZA SATIVA BRAN WAX — Rice Bran Wax.** Used in cosmetics as a thickener and binding agent.

**ORYZA SATIVA EXTRACT — Rice Extract.** Natural chelating agent added to shampoos to improve rinseability by binding to iron (from hard water) and chlorine and removing them from the hair. Also used as an emulsifier and humectant.

**ORYZA SATIVA STARCH — Rice Starch.** Used in baby powders in place of talc, and in powdered makeup to improve spreadability and add a soft, smooth feel to the skin.

**PADIMATE O —** An ingredient shown to protect skin from the sun's harmful UV rays. An effective sunscreen, recognized by the U.S. Food and Drug Administration.

**PAEONIA LACTIFLORA — Peony Herb, Root.** Antibacterial, antifungal and anti-inflammatory used in acne preparations and in toothpastes and other oral hygiene products to promote healthy teeth and gums.

**PALM ACID, PALM KERNEL ACID** — A mixture of fatty acids derived from palm kernel oil. See also *Elaeis guineensis*.

**PALMITATE** — A salt or ester of palmitic acid, a fatty acid found in palm and other fatty oils. Often used in baby oils, bath oils, hair conditioners and moisturizers.

**PANAX GINSENG ROOT EXTRACT** — **Ginseng Root**. One of the most prized herbs in China. A stimulant and tonic used in facial masks, lotions and overnight creams, it is also an effective ingredient in hair care products for its conditioning properties. Contains saponins.

**PANTHENOL** — **Vitamin B-5**. Natural hair thickener that helps give hair body and hold. An excellent hydrator; it nourishes and strengthens the scalp and promotes hair health. Also used as a natural skin hydrator; it is sometimes known as Pantothenic Acid.

**PARIETARIA OFFICINALIS** — **Pellitory-of-the-Wall**. Herbal extract known for its emollient and astringent effects. It is sometimes combined with the mallows elder and arnica in natural moisturizers.

**PASSIFLORA INCARNATA** — **Passionflower**. Analgesic, anti-irritant and sedative, its roots and leaves are used in skin care formulations for their soothing properties.

**PECTIN** — Obtained from the cell walls of plants, the peel of citrus and the crushed pulp of apples. Used in hair care products, it helps smooth the cuticle to lock in nutrients and enhance shine.

**PELARGONIUM GRAVEOLENS** — **Geranium Oil**. Essential oil with astringent and tonic properties, an excellent normalizer for oily skin. Sometimes used as a fragrance.

**PELARGONIUM GRAVEOLENS ROSEUM** — **Rose Geranium**. Essential oil used in skin care for its soothing and aromatic properties. (See also *Pelargonium graveolens*.)

**PERSEA GRATISSIMA** — **Avocado Oil**. A good source of vitamins A, D and E, amino acids and sterols. Herbalists traditionally have used avocado oil in hair and scalp preparations and in the treatment of chronic dry skin conditions. Easily absorbed by the skin and scalp, it is very soothing and nourishing.

**PHOSPHOLIPIDS (LIPOSOMES)** — Fatty substances that are important constituents of cell membranes. Plant phospholipids are similar to human phospholipids and are readily absorbed into the skin. Phospholipids obtained from soybean oil in the form of lecithin are used to make liposomes, which act as delivery agents for vitamins and humectants. (See also *Liposomes*.)

**PIMENTA OFFICINALIS FRUIT POWDER** — **Allspice**. The ground dried berries of an evergreen indigenous to the West Indies, often used as a flavoring agent or fragrance. An antiseptic and astringent, it is an effective scalp tonic in hair care products.

**PIMENTA ACRIS, PIMENTA RACEMOSA** — **Bay Rum**. Essential oil native to the West Indies. A tonic for skin and scalp, widely used in men's colognes and aftershaves for its fresh, spicy scent. (See also *Pimenta officinalis*.)

**PIMPINELLA ANISUM** — **Aniseed Fruit Oil**. A natural fragrance.

**PINUS STROBUS BARK EXTRACT** — **White Pine Bark**. Native Americans used this soothing extract in preparations for dry scalp and skin conditions long before coal tar and other petrochemicals were ever used.

**PINUS SYLVESTRIS EXTRACT** — **Pine Needle Extract**. The extract of pine-tree leaves, often blended with witch hazel, red vine and other herbals for its tonic, antiseptic and stimulating effect on the skin. Combined with hops, rosemary and horsetail, it makes an excellent addition to celltherapy moisturizers.

**PINUS SYLVESTRIS OIL** — **Pine Needle Oil**. Aromatic oil with antimicrobial and tonic properties. An excellent addition to facial cleansers and natural deodorants, and to massage oils for its warming effect on the skin. Often used as a fragrance.

**PIPER METHYSTICUM** — **Kava Kava**. Mild sedative and analgesic used in the South Pacific as an aid in meditation. Taken internally, it helps relieve anxiety and stress. Applied to the skin, kava kava soothes and relaxes overworked muscles and tension. An excellent ingredient for massage lotions and bath oils.

**PIPER NIGRUM** — **Black Pepper Oil**. Essential oil steam distilled from black peppercorns. Tonic and antimicrobial. Blended with other essential oils, it creates a distinctive spicy fragrance.

**POGOSTEMON CABLIN** — **Patchouli**. Aromatic essential oil used as a fragrance for its rich, herbaceous scent, and as a fixative in perfumes and soaps.

**POLYAMIDE-8** — A natural polymer derived from pine trees. Used in water-resistant sunscreens as a water repellent and SPF enhancer.

**POLYGONUM MULTIFLORUM — He Shou Wu.** Powerful scalp stimulant and tonic used in traditional Chinese medicine to refresh and energize the scalp, minimize hair loss and prevent or reverse graying hair. (In Chinese, shou-wu literally means a head full of black hair.)

**POLYHYDROXYSTEARIC ACID —** Vegetable-derived polymeric ester used to enhance the performance of SPF products. An emulsifier and suspending agent, it improves the spreadability and feel of creams and lotions.

**POLYPODIUM LEUCOTOMOS — Calaguala Fern Extract.** Used by Mayan Indians in skin and scalp preparations as far back as 350 B.C., this soothing herbal smooths and conditions the skin and helps clear and tone the scalp and remove buildup. A superb addition to preparations for dry skin and scalp conditions.

**POPULUS TREMULOIDES — Aspen Bark Extract.** A natural antimicrobial, high in salicylates, which act as the plant's natural defense mechanism. Has a smoothing effect on the skin.

**POTASSIUM COCOATE, JOJOBATE AND OLIVATE —** The potassium salts of coconut, jojoba and olive oils, commonly known as liquid castile soap.

**POTASSIUM SORBATE —** The potassium salt of sorbic acid, a natural compound isolated from the oil of the rowan or mountain ash berry. A mild preservative used in foods, herbal supplements and cosmetics for its anti-microbial and anti-fungal properties.

**PROLINE —** An amino acid. (See Amino Acids.)

**PROTEIN —** See Hydrolyzed Vegetable Protein.

**PRUNUS AMYGDALUS AMARA — Bitter Almond Oil.** Essential oil used as a skin softener. Sometimes added to cosmetics for its mild, pleasant scent.

**PRUNUS AMYGDALUS DULCIS — Sweet Almond Oil, Sweet Almond Butter.** Excellent emollient high in oleic, linoleic and other fatty acids, ideal in the treatment of very dry hair and skin. Soothing and moisturizing. A good absorption base.

**PRUNUS AMYGDALUS DULCIS SEED MEAL — Almond Meal.** Ground sweet almond kernels, used in face masks as mild exfoliants.

**PRUNUS ARMENIACA — Apricot Kernels, Apricot Seeds.** Ground into a powdered form, these ingredients are added to exfoliating masks and scrubs for their smoothing effect on the skin.

**PRUNUS ARMENIACA KERNEL OIL — Apricot Oil.** Essential oil from apricot pits, also known as persic oil. An emollient similar in composition to almond oil, it has a softening effect on the skin.

**PULLULAN** — A natural polysaccharide produced by the black yeast *Aureobasidium pullulans*, used in cosmetics as a film-forming agent.

**PUNICA GRANATUM — Pomegranate Extract.** A potent antioxidant and nutrient. Helps supports skin cell regeneration.

**PYRUS MALUS — Apple Oil.** Extracted from the peel of apples and combined with the juice from the pulp. Contains malic acid, an antioxidant and natural pH adjuster. Has a pleasant fragrance.

**PYRUVIC ACID** — See Fruit Acids.

**QUERCUS ALBA — White Oak Bark Extract.** Natural astringent. Its anti-inflammatory and anti-irritant properties make it beneficial for some skin and scalp conditions.

**QUILLAJA SAPONARIA — Quillaya Bark.** A natural soap with excellent foam-boosting and cleansing abilities, containing 9-10% saponins. An astringent and anti-inflammatory, it is used in shampoos and hair care preparations for dandruff and other scalp problems.

**RAPHANUS SATIVUS — Radish Extract.** Antibacterial and astringent. Sometimes used as a natural color.

**RETICULIN** — One of the three main proteins found in the skin, often used in cellular repair creams for its ability to attract and retain moisture.

**RETINYL PALMITATE — Vitamin A.** Antioxidant vitamin widely used (both internally and topically) in the treatment of acne and other skin conditions. Its topical application promotes the formation of new skin cells and helps regulate oil secretion in the sebaceous glands. Particularly beneficial for dry or sun-exposed skin, it is often found in sun protection creams for its antioxidant properties and its soothing and hydrating effect on the skin. (A deficiency of vitamin A in the body reduces the mucopolysaccharides in the skin, which accelerates the skin's aging process.) Also used as a natural preservative in cosmetics.

**RIBES NIGRUM — Black Currant Extract.** A source of natural fruit acids used in face masks and lotions to encourage a faster turnover of skin cells. (See also Fruit Acids.)

**RIBOFLAVIN — Vitamin B-2.** Antioxidant B vitamin, an integral part of the chemical process that produces glutathione, which protects skin cells from free radical damage. Very beneficial to the skin and nails.

**RICINUS COMMUNIS — Castor Seed Oil.** Humectant and skin soother, often added to lipsticks, glosses and other cosmetic products to improve their texture.

**ROSA DAMASCENA FLOWER DISTILLATE — Rosewater.** A byproduct of the distillation of fresh rose petals, this hydrosol or floral water is a natural hydrator and anti-irritant. Used in cosmetics since the 10th century, it is an excellent soothing agent for dry, sensitive skin.

**ROSA DAMASCENA FLOWER OIL — Rose Oil.** Essential oil obtained by steam distillation. Used for its skin softening properties and pleasant fragrance.

**ROSA RUBIGINOSA — Rosa Mosqueta® Rose Hip Seed Oil.** Oil from the rose hips of a rare rose that grows in Chile's Andes mountains. High in vitamin C, and linoleic and linolenic acids, essential fatty acids necessary for skin cell regeneration, it has been used by South American Indians for hundreds of years for its healing and moisturizing properties. Clinical tests have shown that Rosa Mosqueta®, applied regularly, helps fade scarring and skin discolorations and encourage skin cell growth. There's no better moisturizer for dry or mature skin and brittle, damaged hair.

**ROSMARINUS OFFICINALIS — Rosemary Oil.** Essential oil beneficial to both hair and skin for its antioxidant, toning and purifying properties. In hair care products, it is said to stimulate hair follicles to grow and encourage circulation to the scalp. Used in hair rinses, particularly in combination with sage, it soothes and conditions the scalp and helps remove buildup and prevent flaking.

**ROYAL JELLY —** Substance secreted in the digestive tube of worker bees. A powerful nutrient high in amino acids, minerals and vitamins A, B, C and E. Very soothing and moisturizing to the skin.

**RUBUS IDAEUS — Raspberry Fruit Extract.** Antioxidant and astringent. Protects and tones the skin.

**SACCHARUM OFFICINARUM — Sugar Cane Extract.** A main source of glycolic acid, its mild exfoliating action helps remove dead skin cells and encourage new cell growth. An excellent addition to anti-aging products. (See also Fruit Acids.) Sometimes used as a natural scent.



**SALICYLIC ACID** — The active ingredient in aspirin, a natural anti-inflammatory and exfoliant used in the treatment of acne and preparations for oily skin. Applied topically, it penetrates the follicle and encourages the shedding of dead skin cells from within, breaking up oil deposits and debris that can cause blocked pores and blemishes. Natural sources of salicylic acid include willow bark extract (*Salix nigra*) and wintergreen oil (*Gaultheria procumbens*).

**SALIX NIGRA** — **Willow Bark, Black Willow.** An excellent source of salicylic acid, very beneficial in the treatment of acne and blemish-prone skin. A natural anti-inflammatory. (See also Salicylic acid.)

**SALVIA OFFICINALIS** — **Sage Oil.** A purifier and tonic, its antibacterial action makes it ideal for sensitive skin or scalp and antidandruff preparations. It is often combined with rosemary in hair and skin care products and, like rosemary, it has antioxidant properties and is very beneficial to the skin and scalp.

**SALVIA SCLAREA** — **Clary Sage Oil.** Essential oil with astringent and anti-wrinkle properties, also used as a natural fragrance.

**SAMBUCUS NIGRA** — **Elder Flower.** A superb skin softener. Contains an oil high in fatty acids (66%), very beneficial to the hair and skin.

**SANTALUM ALBUM** — **Sandalwood Oil.** One of the oldest fragrance components, this aromatic essential oil has been in use for over 4000 years for its deep, woody, long-lasting scent. In recent years, the Indian sandalwood tree has become endangered. We use only farmed, sustainable Australian sandalwood in our products.

**SAPONARIA OFFICINALIS** — **Soapwort.** High in saponins, natural cleansing agents. Used in soaps for its lathering properties.

**SAPONINS** — Natural glycosides that foam in water. An excellent natural detergent.

**SASSAFRAS OFFICINALE** — **Sassafras Oil.** Essential oil often used as a fragrance.

**SCUTELLARIA BAICALENSIS** — **Skullcap.** Mild tonic and stimulant with antioxidant and antimicrobial properties. Very beneficial to hair and scalp.

**SEA SALT** — Mineral-rich salt naturally obtained from seawater. Used in bath soaks and body scrubs for its softening effect on the skin.

**SECALE CEREALE SEED EXTRACT — Rye Seed Extract.** The highly purified extract from rye seeds. An excellent ingredient in face creams and anti-aging formulations, it provides a gradual and long-lasting firming action and visually smoother skin. Has been shown to significantly reduce the depth and appearance of wrinkles and fine lines by 25% with twice daily use.

**SELENIUM —** Micronutrient mineral with strong antioxidant properties, very soothing to the scalp. Included in shampoos and rinses for dandruff and other scalp problems, it helps remove build-up and keep scalp clear and healthy with continued use. Should be used in small amounts, as it can be irritating to the eyes.

**SESAMUM INDICUM — Sesame Oil.** Similar to avocado oil, this rich emollient is high in linoleic and oleic fatty acids. Often used as a carrying agent for other ingredients in cosmetic formulations.

**SILICA —** A mineral used as a thickener and stabilizer. In sun care products, it works synergistically to increase the efficiency of sun care ingredients.

**SILK POWDER —** Used in makeup powders to even out skin tones and leave the complexion soft and smooth. Obtained from silk threads, it is high in amino acids and vitamin E.

**SILYBUM MARIANUM — Milk Thistle.** Detoxifier used internally in the treatment of liver disorders. Clinical studies have shown its active compound silymarin, a flavonoid with strong antioxidant properties, helps protect skin cells from free radical damage caused by sun exposure and pollution. Very soothing to the skin and scalp.

**SIMMONDSIA CHINENSIS SEED OIL — Jojoba Oil, Jojoba Wax.** Waxy oil extracted from the bean, which helps the jojoba desert plant retain water during the long summer drought. When used in cosmetic preparations, it not only acts as a humectant, but actually creates a protective film over the skin and hair shaft that helps seal in moisture. The oil is highly stable and very effective on dry skin, damaged hair and split ends.

**SIMMONDSIA CHINENSIS SEED POWDER — Jojoba Meal.** High in protein and natural fibers, this byproduct of the moisture-rich jojoba plant contains 17 amino acids. Its mild exfoliating properties help clear away dead skin cells and nourish and deep-cleanse the complexion without drying it out.

**SMILAX UTILIS** — **Sarsaparilla Root**. Mild, natural detergent and skin purifier. Contains saponins.

**SODIUM BENZOATE** — A salt of benzoic acid, found naturally in cranberries, apples, plums and other fruits, and in cinnamon and ripe clove. Used in foods and cosmetic products as a mild preservative for its anti-bacterial and anti-fungal properties.

**SODIUM CHLORIDE** — See Sea Salt.

**SODIUM COCOATE** — Coconut oil saponified with an alkaline salt. A lathering agent in soaps. (See also *Cocos nucifera* oil.)

**SODIUM COCOYL GLUTAMATE** — Derived from coconut oil and glutamate amino acid. Acts as an emulsifier and has a protective and moisturizing effect on the skin.

**SODIUM COCOYL HYDROLYZED SOY PROTEIN** — A mild, natural soap. (See also Sodium Cocoate and Hydrolyzed Soy Protein.)

**SODIUM HYALURONATE** — A naturally occurring glycosaminoglycan (polysaccharide) derived from beneficial bacteria. Used in skin care preparations to help attract and retain moisture.

**SODIUM HYDROXIDE** — An alkaline salt obtained when electrolysis (positive and negative poles) is applied to seawater or salt water. Chlorine collects at the positive pole, and sodium hydroxide collects at the negative pole.

**SODIUM LAUROYL LACTYLATE** — The sodium salt of lactic acid, a food-grade emulsifier and mild surfactant, used as a foaming and cleansing agent and to give the hair a soft, silky texture. The emulsifier of choice for natural products, it offers excellent moisturizing properties and leaves a smooth feel after application. It penetrates the top layer of skin to offer residual moisturization, extended fragrance release and enhanced delivery of actives.

**SODIUM PALMATE, SODIUM PALMITATE, SODIUM PALM KERNELATE** — Palm oil saponified with an alkaline salt. Primarily responsible for the hardness and durability of bar soaps. (See also *Elaeis guineensis* (Palm Oil).)

**SODIUM PCA** — Salt of glutamic acid, an amino acid that occurs widely in food. Used in appropriate concentrations, it acts as a humectant to help attract and retain moisture to the skin.

**SODIUM PHYTATE** — The complex sodium salt of phytic acid, derived from the seeds of cereal grains, legumes and nuts. A natural chelating agent, it is used in shampoos to bind to minerals and impurities in the hair, allowing hair to rinse clean. Used to boost our new preservative system.

**SOLUBLE COLLAGEN** — Dermal protein that makes up 70 percent of the body's connective tissue. Applied topically, it helps attract and retain moisture to smooth and soften the skin, increase elasticity and diminish the appearance of fine lines and wrinkles.

**SORBITAN SESQUIOLATE** — An emollient and skin soother derived from sorbitol. Sometimes used as an emulsifier. (See also Sorbitol.)

**SORBITAN STERATE** — A surfactant derived from berries and other plant sources, composed of sorbitol, a natural sweetener, and stearic acid, a fatty acid. Used in cosmetic products as an emulsifier and wetting agent.

**SORBITOL** — A white, sweet, crystalline alcohol found in certain berries and fruits. Used as a moisturizing agent, and as a sugar substitute.

**SOY PROTEIN** — See Hydrolyzed soy protein.

**SPIRAEA ULMARIA** — **Meadowsweet**. Also known as Lady of the Meadow and Meadow Queen, it was considered a sacred plant by the Druids. Used in cosmetics for sensitive skin for its mild, tonic effect.

**SQUALANE** — A saturated hydrocarbon found in human sebum, added to cosmetics for its emollient and bactericidal properties. Squalane is typically obtained from shark liver oil, but the identical substance can be derived from olives. Olive oil squalane is more stable and much more compatible with the skin than its shark-derived counterpart.

**STEARIC ACID** — A fatty acid used as an emulsifier and thickening agent. A surfactant, stearic acid helps bind soap particles to dirt and oil on the skin's surface so they can be rinsed away. We use stearic acid from vegetable sources in our natural products.

**STYRAX BENZOIN EXTRACT** — **Benzoin Gum, Benzoin Bark**. Natural antiseptic and astringent with antioxidant and preservative properties. Promotes healthy skin and scalp. A tincture is used in dentistry to treat inflammation of gums.

**STYRAX BENZOIN RESIN EXTRACT** — **Benzoin Oil**. Antiseptic, anti-inflammatory and astringent. Used in skin care products, it boosts elasticity and helps calm stressed skin.

**SUCROSE** — A derivative of cane sugar. Hydrates and encourages moisture retention in the skin.

**SUCROSE LAURATE** — A fatty acid ester derived from sugar, used in cosmetic products as a natural emulsifier and surfactant.

**TAGETES MINUTA** — **Tagetes Oil**. An essential oil with antiseptic and antimicrobial properties.

**TANACETUM ANNUUM** — **Blue Chamomile, Moroccan Blue Chamomile**. Also known as Blue Tansy, its essential oil is deep blue in color and has a lovely fragrance. An antimicrobial and tonic, very soothing to scalp and skin.

**TAPIOCA STARCH** — Used in powdered makeup to improve spreadability and impart a silky feel to the product.

**THEOBROMA CACAO SEED BUTTER** — **Cocoa Butter**. The solid fat extracted from the seeds of the cacao plant. A rich emollient used in lipsticks, creams, soaps and sun care products for its moisturizing and soothing properties.

**THIOCTIC ACID** — **Alpha Lipoic Acid**. Powerful antioxidant and anti-inflammatory obtained from potatoes. Used in anti-wrinkle lotions and moisturizers for its protective effects on skin.

**THUJA OCCIDENTALIS** — **Cedar Leaf Oil**. Adds a woody note to perfumes and other cosmetic products.

**THYMUS VULGARIS** — **Thyme**. Antiseptic and tonic. Contributes an herbal note to the scent of cosmetic products.

**TILIA CORDATA** — **Linden Extract, Lime Tree**. The extract from the flowers of the lime tree (also known as linden tree), which contains an essential oil, famesol, similar to aloe and chamomile. An emollient and soothing agent for the skin, also used in eye care formulations.

**TITANIUM DIOXIDE** — Naturally occurring mineral that actually deflects the sun's burning rays off the skin, offering significant protection from damaging UVA/UVB rays. Often combined with zinc oxide, it is a superb ingredient for sunscreens.

**TOCOPHEROL / TOCOPHERYL ACETATE** — See d-Alpha Tocopherol (vitamin E).

**TOFU** — Derived from soybeans, this rich plant food is high in protein, calcium, B vitamins and other nutrients beneficial to hair, scalp and skin. An excellent addition to absorption bases.

**TOPICAL ESTER-C®** — See Calcium ascorbate.

**TRITICUM AESTIVUM** — **Wheatgrass**. Anti-inflammatory used in the treatment of eczema and dermatitis. An ingredient in many preparations for problem skin, and in shampoos and hair conditioners. Contains plant sterols.

**TRITICUM VULGARE** — **Wheat Germ Oil**. Extracted from the embryo of the wheat kernel. An anti-inflammatory and skin nourisher that also acts as a natural preservative because of its high vitamin E content.

**TUSSILAGO FARFARA** — **Coltsfoot**. Superb skin nutrient, high in polysaccharides, vitamin C and zinc. A natural anti-inflammatory and soothing agent, it helps soften and regenerate the skin. Combined with horsetail in hair care preparations, it strengthens and smoothes hair fiber and promotes scalp health.

**UBIQUINONE** — **CoQ10 (Co-Enzyme Q10) Liposomes**. High in polyunsaturated fatty acids (especially linoleic acid) and protein, CoQ10 helps support cell structure with antioxidant and protective action, and has been shown to reduce the appearance and depth of wrinkles and increase the skin's moisture with regular use. (See also Liposomes.)

**URTICA DIOICA** — **Nettle, Stinging Nettle**. Excellent tonic and astringent, rich in phosphates and trace minerals. Promotes circulation to the skin and scalp and is said to stimulate hair growth, especially when combined with horsetail and coltsfoot. Its high silica and sulfur content make it very nourishing to the hair and scalp, and an excellent addition to products for thinning hair.

**VACCINIUM ANGUSTIFOLIUM** — **Blueberry**. The leaves of the blueberry make a mild, soothing tea that is an excellent, non-drying skin tonic.

**VACCINIUM MYRTILLUS EXTRACT** — **Bilberry Fruit**. Astringent and tonic, the extract of the berries has been shown to increase capillary strength. A source of natural fruit acids, used in facial masks and lotions to promote exfoliation and encourage a more rapid turnover of skin cells. (See also Fruit Acids.) Taken internally, bilberry is said to improve night vision and help prevent macular degeneration.

**VANILLA PLANIFOLIA** — **Vanilla Oil**. Used as a natural fragrance.

**VETIVERIA ZIZANIODES** — **Vetiver**. Soothing essential oil used in cosmetics for its smoky, earthy scent. Due to its sedative properties, in India it is known as oil of tranquility.

**VIOLA ODORATA — Violet.** Analgesic and soothing agent very beneficial to sensitive skin.

**VISCUM ALBUM — Mistletoe.** An anti-irritant, known for its soothing properties on sensitive skin. It is often combined with fennel, hops, chamomile, balm mint and yarrow in skin formulations.

**VITAMINS A, C AND E —** Their combined action, blended with grapefruit extract, makes an excellent natural preservative.

**VITIS VINIFERA EXTRACT — Grape Seed Extract.** One of the most powerful antioxidants around, high in proanthocyanidins, a group of bioflavonoids superior to most because they are water-soluble and much more easily assimilated by the body. A hard-working free radical scavenger, it prevents skin cell damage caused by sun exposure and pollution.

**VITIS VINIFERA OIL — Grape Seed Oil.** Antioxidant-rich oil cold-pressed from grape seeds.

**VITIS VINIFERA VINE EXTRACT — Red Vine.** Extract from the leaves of the grape vine, known for its soothing, toning properties, and as an “anti-blotchiness” skin treatment. An anti-inflammatory, it helps reduce redness and irritation. High in antioxidant vitamin C, choline and inositol.

**WHEY PROTEIN —** A protein derived from milk. Helps support the skin’s collagen.

**XANTHAN GUM —** Polysaccharide derived from beneficial bacteria, used as a natural stabilizer, thickener and emulsifier in cosmetic preparations.

**XYLITOL —** Sugar alcohol from the birch tree, often used as a sweetener.

**YEAST —** High in protein and B vitamins. Added to cosmetics for its nutritional properties.

**YUCCA SCHIDIGERA — Yucca Root.** Mild, natural detergent used in shampoos and soaps for its foaming and purifying abilities. Contains saponins.

**ZEA MAYS — Corn Cob Meal.** Powder obtained from ground dried corncobs, added to masks and scrubs for its pore-clearing and exfoliating properties. Sometimes used as a thickener.

**ZINC —** Mineral essential for growth and skin cell regeneration. Promotes healing. Often prescribed orally to help control acne.

**ZINC OXIDE** — Occurring in nature as zincite, this water-insoluble substance makes an excellent sunblock, protecting skin from UVA and UVB rays.

**ZINGIBER OFFICINALE** — **Ginger.** Anti-inflammatory and stimulant with warming and soothing properties. Used in creams, lotions and hair care products, it promotes circulation to the skin and scalp. In both powdered and essential oil form, it is an excellent ingredient for bath soaks and other personal care products. Sometimes used in small amounts as a fragrance.





# INDEX OF COMMON NAMES

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- Acacia, Katha** – *Acacia catechu*  
**Acacia Gum, Gum Arabic** – *Acacia senegal*  
**African Butter, Shea Butter** – *Butyrospermum parkii*  
**Alfalfa** – *Medicago sativa*  
**Allspice** – *Pimenta officinalis*  
**Almond Butter, Almond Meal** – *Prunus amygdalus dulcis*  
**Almond Oil** – See Sweet Almond Oil; Bitter Almond Oil  
**Aloe, Aloe Vera** – *Aloe barbadensis*  
**Alpha Lipoic Acid** – Thioctic acid  
**Amyris Oil** — *Amyris balsamifera*  
**Angelica** – *Angelica archangelica*  
**Annatto** – *Bixa orellana*  
**Apple Oil** – *Pyrus malus*  
**Apple Stem Cells** – *Malus domestica* fruit cell culture extract  
**Apricot Oil** – *Prunus armeniaca*  
**Argan Oil** – *Argania spinosa*  
**Arnica Oil** – *Arnica Montana*  
**Aspen Bark Extract** – *Populus tremuloides*  
**Atlas Cedar** – *Cedrus atlantica*  
**Avocado Oil** – *Persea gratissima*  
**Balm Mint** – *Melissa officinalis*  
**Balsam Peru** – *Myroxylon pereirae*  
**Balsam Tolu** – *Myroxylon toluiferum*  
**Baobab Oil** – *Adansonia digitata*  
**Bay Laurel** – *Lauris nobilis*  
**Bay Rum, Bay Leaf** – *Pimenta racemosa*, *Pimenta acris*  
**Beeswax** – *Cera alba*  
**Beet Root Extract** – *Beta vulgaris*  
**Benzoin** – *Styrax benzoin*  
**Bergamot Mint** – *Mentha citrata*  
**Bergamot Oil** – *Citrus bergamia*  
**Bilberry Fruit** – *Vaccinium myrtillus*

**Birch, White Birch** – *Betula alba*  
**Bitter Almond** – *Prunus amygdalus amara*  
**Bixane Herb** – *Bixa orellana*  
**Black Currant** – *Ribes nigrum*  
**Black Pepper** – *Piper nigrum*  
**Black Willow, Willow Bark** – *Salix nigra*  
**Bladderwrack** – *Fucus vesiculosus*  
**Blueberry Leaves** – *Vaccinium angustifolium*  
**Bluebottle, Cornflower** – *Centaurea cyanus*  
**Blue Chamomile, Moroccan Blue Chamomile** – *Tanacetum annuum*  
**Blue Cypress Oil** – *Callitris intratropica*  
**Blue Green Algae** – *Aphanizomenon flos aquae*  
**Blue Mallow, Mallow** – *Malva sylvestris*  
**Blue Tansy** – *Tanacetum annuum*  
**Bois de Rose, Rosewood** – *Aniba rosaeodora*  
**Borage Oil** – *Borago officinalis*  
**Burdock** – *Arctium lappa*  
**Cade Wood Oil** – *Juniperus oxycedrus*  
**Calaguala Fern Extract** – *Polypodium leucotomos*  
**Calendula, Marigold** – *Calendula officinalis*  
**Chamomile** – See Roman Chamomile, German Chamomile, Blue Chamomile  
**Camphor Oil** – *Cinnamomum camphora*  
**Canadian Willowherb** – *Epilobium angustifolium*  
**Canola Oil, Turnip Oil** – *Brassica campestris*  
**Cardamom Oil** – *Elettaria cardamomum*  
**Carnauba Wax** – *Copernicia cerifera*  
**Carrageenan, Irish Moss** – *Chondrus crispus*  
**Carrot Oil** – *Daucus carota sativa*  
**Cassia Oil** – *Cinnamomum cassia*  
**Castile Soap** – *Potassium cocoate, jojobate and olivate*  
**Castor Oil** – *Ricinus communis*  
**Cayenne Pepper Extract** – *Capsicum frutescens*  
**Cedar Leaf Oil** – *Thuja occidentalis*

**Cedarwood Oil (Red)** – *Cedrus atlantica*  
**Centaury, Century Herb** – *Erythraea centaurium*  
**Chamomile** – *Anthemis nobilis*  
**Chestnut Extract** – *Castanea sativa*  
**Chinawood Oil, Tung Oil** – *Aleurites fordii* (see *Brassica campestris* / *Aleurites fordii* oil)  
**Chinese Angelica (Dong Quai)** – *Angelica sinensis*  
**Chinese Chrysanthemum (Ju hua)** – *Chrysanthemum morifolium*  
**Chlorella** – *Chlorella pyrenoidosa*  
**Chrysanthemum** – *Chrysanthemum roseum*, *Chrysanthemum sinense*  
**Chrysarobin, Goa Herb** – *Andira araroba*  
**Cinnamon** – *Cinnamomum zeylanicum*  
**Citronella** – *Cymbopogon nardus*  
**Citrus Extract, Grapefruit Extract** – *Citrus grandis*  
**Clary Sage** – *Salvia sclarea*  
**Clematis** – *Clematis vitalba*  
**Clove Oil** – *Eugenia caryophyllus*  
**Clovebud Oil** – *Eugenia caryophyllata*  
**Cocoa Butter** – *Theobroma cacao*  
**Coconut Fatty Alcohols** – Cetyl alcohol  
**Coconut Milk, Coconut Oil** – *Cocos nucifera*  
**Collagen** – Soluble collagen  
**Coltsfoot** – *Tussilago farfara*  
**Coneflower, Echinacea** – *Echinacea purpurea*  
**CoQ10 (Co-Enzyme Q10)** – Ubiquinone  
**Coriander** – *Coriandrum sativum*  
**Corn Cob Meal** – *Zea mays*  
**Corn Syrup, Corn Starch** – Hydrolyzed corn starch  
**Cornflower, Bluebottle** – *Centaurea cyanus*  
**Cornmint** – *Mentha arvensis*  
**Cucumber** – *Cucumis sativus*  
**Earth Smoke, Fumitory** – *Fumaria officinalis*  
**Echinacea, Coneflower** – *Echinacea angustifolia*, *Echinacea purpurea*

**Elastin** – Hydrolyzed elastin  
**Elder Flower, Elder Berries** – *Sambucus nigra*  
**English Lavender, Lavender Oil** – *Lavandula angustifolia*  
**Epsom Salts** – Magnesium sulfate  
**Essential Fatty Acids** – Glyceril linoleate, Glyceril linolenate  
**Ester-C® Topical** – Calcium ascorbate  
**Eucalyptus Oil** – *Eucalyptus globulus*  
**Evening Primrose Oil, Primrose Oil** – *Oenothera biennis*  
**Evergreen Oil** – *Magnolia grandiflora*  
**Everlasting Oil** – *Helichrysum italicum*  
**Eyebright** – *Euphrasia officinalis*  
**False Daisy** – *Eclipta alba*  
**Fatty Acids** – Glyceril linoleate, Glyceril linolenate  
**Fennel** – *Foeniculum vulgare*  
**Feverfew** – *Chrysanthemum parthenium*  
**Fir Oil, Siberian Pine Needle Oil** – *Abies sibirica*  
**Flaxseed Lignans, Flaxseed Oil** – *Linum usitatissimum*  
**Floral Waters** – Hydrosols  
**Forsythia Fruit** – *Forsythia suspense*  
**Fractionated Coconut Oil** – Caprylic/capric triglyceride  
**Fragonia™** – *Agonis Fragrans*  
**Fucus, Bladderwrack** – *Fucus vesiculosus*  
**Fumitory, Earth Smoke** – *Fumaria officinalis*  
**Galbanum** – *Ferula galbaniflua*  
**Geranium** – *Pelargonium graveolens*  
**German Chamomile** – *Chamomila recutita*/*Matricaria recutita*  
**Ginger** – *Zingiber officinale*  
**Ginkgo Leaf** – *Ginkgo biloba*  
**Ginseng Root** – *Panax ginseng*  
**Glycogen** – Glycoprotein  
**Goa Herb, Chrysarobin** – *Andira araroba*  
**Golden Seaweed** – *Laminaria ochroleuca*  
**Grain Alcohol (Natural)** – Alcohol denat. (38b, lavender)  
**Grape Seed** – *Vitis vinifera*  
**Grapefruit Extract** – *Citrus grandis*  
**Grapefruit Oil** – *Citrus paradisi*

**Green Clay** – Montmorillonite  
**Green Tea** – Camellia sinensis extract  
**Guar Gum** – Cyamopsis tetragonoloba  
**Gum Arabic, Acacia Gum** – Acacia senegal gum  
**Gum Tragacanth** – Astragalus gummifer  
**He Shou Wu** – Polygonum multiflorum  
**Hematite** – Iron oxides  
**Hemp Seed Oil** – Cannabis sativa oil  
**Henna** – Lawsonia inermis alba  
**Ho Wood Oil** – Cinnamomum camphora  
**Honeysuckle** – Lonicera caprifolium, Lonicera japonica  
**Hops** – Humulus lupulus  
**Horse Chestnut** – Aesculus hippocastanum  
**Horsetail, Bottlebrush** – Equisetum hiemale, Equisetum arvense  
**Indian Gooseberry** – Emblica officinalis  
**Indigofera** – Indigofera tinctoria  
**Irish Moss** – Chondrus crispus  
**Ivy** – Hedera helix  
**Jasmine** – Jasminum officinale  
**Jojoba** – Simmondsia chinensis  
**Jojoba Butter** – Jojoba esters  
**Jojoba Wax Spheres** – Jojoba esters (beads)  
**Juniper Berries** – Juniperus communis  
**Karite Butter** – Butyrospermum parkii  
**Kava Kava** – Piper methysticum  
**Kelp** – Macrocystis pyrifera  
**Keratin** – Hydrolyzed keratin  
**Kukui Nut** – Aleurites moluccana  
**Laminaria** – Laminaria digitata  
**Lavandin** – Lavandula hybrida  
**Lavender, English Lavender** – Lavandula angustifolia  
**Lavender Water** – Lavandula angustifolia flower water  
**Lemon Oil, Lemon Peel Oil** – Citrus medica limonum  
**Lemongrass** – Cymbopogon citrates  
**Lime Oil** – Citrus aurantifolia

**Linden, Lime Tree** – *Tilia cordata*  
**Linoleic Acid, Linolenic Acid** – Glyceryl linoleate, Glyceryl linolenate  
**Liposomes** – Phospholipids  
**Liquid Protein** – Hydrolyzed vegetable protein  
**Macadamia** – *Macadamia ternifolia*  
**Magnolia Blossom** – *Magnolia biondii*  
**Mallow** – *Malva sylvestris*  
**Mandarin, Red Mandarin** – *Citrus reticulata*  
**Mandarin Peel Extract** – *Citrus nobilis*  
**Mango Butter** – *Mangifera indica*  
**Manuka Oil** – *Leptospermum scoparium*  
**Marigold, Calendula** – *Calendula officinalis*  
**Marshmallow Root** – *Althaea officinalis*  
**Matcha Green Tea** – *Camellia sinensis* leaf powder  
**Mate, Yerba Mate** – *Ilex paraguayensis*  
**Meadowsweet** – *Spiraea ulmaria*  
**Menthol, Peppermint Oil** – *Mentha Piperita*  
**Milk Protein** – Lactoperoxidase, Lactalbumin  
**Milk Thistle** – *Silybum marianum*  
**Mineral Water** – Aqua  
**Mint** – See all varieties beginning with the genus *Mentha*  
**Mistletoe** – *Viscum album*  
**Morus Root** – *Morus alba*  
**Mt. Kaolin Clay** – Kaolin  
**Myrrh** – *Commiphora myrrha*  
**Myrtle Herb Extract** – *Myrtus communis*  
**Natural Grain Alcohol** – Alcohol denat. (38b, lavender)  
**Neroli** – *Citrus aurantium*  
**Nettle, Stinging Nettle** – *Urtica dioica*  
**Niacin** – Vitamin B-3, B-Complex  
**Nutmeg** – *Myristica fragrans*  
**Oakmoss** – *Evernia prunastri*  
**Oat Protein** – Hydrolyzed oat protein  
**Oat Straw** – *Avena sativa* straw extract

**Oatmeal** – *Avena sativa*  
**Olive Oil, Kernel Powder, Leaf Extract** – *Olea europaea*  
**Orange Blossom Oil, Neroli** – *Citrus aurantium*  
**Orange Pith Juice** – *Citrus sinensis*  
**Oregano Oil** – *Origanum vulgare*  
**PABA** – Padimate O  
**Palm Oil, Palm Kernel Oil** – *Elaeis guineensis*  
**Palma Rosa Oil** – *Cymbopogon martini*  
**Papaya** – *Carica papaya*  
**Passionflower** – *Passiflora incarnata*  
**Patchouli** – *Pogostemon cablin*  
**Peanut Oil** – *Arachis hypogaea*  
**Pellitory** – *Anacyclus pyrethrum*  
**Pellitory-of-the-Wall** – *Parietaria officinalis*  
**Peony Herb, Root** – *Paeonia lactiflora*  
**Peppermint** – *Mentha piperita*  
**Pine Needle Extract, Oil** – *Pinus sylvestris*  
**Pomegranate** – *Punica granatum*  
**Prickly Pear** – *Opuntia ficus-indica*  
**Primrose, Evening Primrose** – *Oenothera biennis*  
**Protein** – Hydrolyzed vegetable protein  
**Queen's Meadow, Meadowsweet** – *Spiraea ulmaria*  
**Quillaya** – *Quillaja saponaria*  
**Quinoa Protein** – *Chenopodium quinoa*  
**Radish** – *Raphanus sativus*  
**Raspberry Fruit Extract** – *Rubus idaeus*  
**Red Algae Extract** – Algae Extract  
**Red Vine** – *Vitis vinifera*  
**Rice Extract, Starch, Wax** – *Oryza sativa*  
**Roman Chamomile Oil** – *Anthemis nobilis*  
**Rosa Mosqueta® Rose Hip Seed Oil** – *Rosa rubiginosa*  
**Rose Geranium** – *Pelargonium graveolens roseum*  
**Rose Oil, Rosewater** – *Rosa damascena*  
**Rosemary Oil** – *Rosmarinus officinalis*  
**Rosewood, Bois de Rose** – *Aniba rosaeodora*

**Rye Seed Extract** – *Secale cereale*  
**Safflower Oil** – *Carthamus tinctorius*  
**Sage Oil** – *Salvia officinalis*  
**Sandalwood Oil** – *Santalum album*  
**Sarsaparilla Root** – *Smilax utilis*  
**Sassafras** – *Sassafras officinale*  
**Sea Aster** – *Aster tripolium*  
**Sea Buckthorn Oil** – *Hippophae rhamnoides*  
**Sesame Oil** – *Sesamum indicum*  
**Shea Butter** – *Butyrospermum parkii*  
**Shiitake Mushroom Extract** – *Corthellus shiitake*  
**Siberian Pine Needle Oil, Fir Oil** – *Abies sibirica*  
**Skullcap** – *Scutellaria baicalensis*  
**Soapwort** – *Saponaria officinalis*  
**Soy Protein** – Hydrolyzed soy protein  
**Soybean Oil** – *Glycine soya*  
**Spearmint Oil** – *Mentha viridis*, *Mentha spicata*  
**St. John's Wort** – *Hypericum perforatum*  
**Strawberry** – *Fragaria vesca*  
**Styrax Oil** – *Liquidambar styraciflua*  
**Sugar Cane** – *Saccharum officinarum*  
**Sugar Maple** – *Acer saccharum*  
**Sunflower** – *Helianthus annuus*  
**Sweet Almond** – *Prunus amygdalus dulcis*  
**Sweet Almond Protein** – Hydrolyzed sweet almond protein  
**Sweet Clover** – *Melilotus officinalis*  
**Sweet Orange Oil, Peel** – *Citrus aurantium dulcis*  
**Tagetes Oil** – *Tagetes minuta*.  
**Tangerine** – *Citrus tangerina*  
**Tea Tree** – *Melaleuca alternifolia*  
**Thyme** – *Thymus vulgaris*  
**Tonka Bean** – *Dipteryx odorata*  
**Topical Ester-C®** – Calcium ascorbate  
**Turmeric** – *Curcuma longa*  
**Turnip Oil, Canola Oil** – *Brassica campestris*



**Vanilla** – *Vanilla planifolia*  
**Vegetable Glycerin** – Glycerin  
**Vegetable Protein** – Hydrolyzed vegetable protein  
**Vetiver** – *Vetiveria zizanioides*  
**Violet** – *Viola odorata*  
**Vitamin A** – Retinyl palmitate  
**Vitamin B-2** – Riboflavin  
**Vitamin B-3** – Niacin  
**Vitamin B-5** – Panthenol  
**Vitamin C** – Ascorbic acid, Calcium ascorbate  
**Vitamin E** – d-Alpha Tocopherol  
**Vitamin F** – Glyceryl linoleate, Glyceryl linolenate  
**Vitamin H** – Biotin  
**Walnut Extract, Shells** – *Juglans regia*  
**Water, Deionized Water** – Aqua  
**Watercress** – *Nasturtium officinale*  
**Watermelon extract** – *Citrullus lanatus*  
**Wheat Germ Oil** – *Triticum vulgare*  
**Wheatgrass** – *Triticum aestivum*  
**Wheat Protein** – Hydrolyzed wheat protein  
**White Birch Extract** – *Betula alba*  
**White Camellia Oil** – *Camellia japonica* oil, *Camellia sinensis* oil  
**White Clay** – Kaolin  
**White Oak Bark Extract** – *Quercus alba*  
**White Pine Bark** – *Pinus strobus*.  
**Willow Bark, Black Willow** – *Salix nigra*  
**Wintergreen Oil** – *Gaultheria procumbens*  
**Witch Hazel** – *Hamamelis virginiana*  
**Yangu Oil** – *Calodendrum capense*  
**Yarrow** – *Achillea millefolium*  
**Yerba Mate, Mate** – *Ilex paraguayensis*  
**Ylang Ylang** – *Cananga odorata*  
**Yucca Root** – *Yucca schidigera*



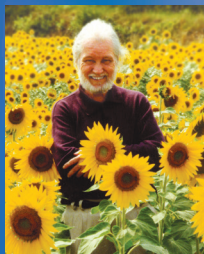
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# 10 Reasons to Choose Aubrey®

- 1. A NATURAL LEADER FOR ALMOST 50 YEARS.** At Aubrey we strive to give you the best natural products possible. That is our promise.
- 2. QAI CERTIFIED ORGANIC PROCESSOR.** Aubrey was the first cosmetic manufacturer to be certified as an organic processor in 1994. We use certified organic ingredients whenever possible in our natural formulas.
- 3. NATURAL IS BETTER FOR YOUR HAIR AND SKIN.** The long-term effects of many untested mainstream cosmetic ingredients are still unknown. We work hard to give you the safest, most natural products available today.
- 4. THE MOST COMPLETE BODY CARE LINE.** We offer the most extensive hair, skin and body care line in the natural personal care industry.
- 5. 100% CUSTOMER SATISFACTION.** We stand behind our products with a 100% money-back guarantee. If you are not satisfied with a product, simply return it for a refund.
- 6. ENVIRONMENTALLY SAFE PRODUCTS.** Our products are completely biodegradable. We use recyclable (HDPE) plastic bottles, and boxes with a minimum of 15% recycled content in as much of our packaging as possible.
- 7. WORLD HERBAL TRADITIONS.** We buy herbals for fair market value around the world and use them in all-natural formulas—the most sustainable and ethical use of these fine ingredients.
- 8. HANDCRAFTED PRODUCTS.** Our products are made by hand, in small batches of 50 gallons or less, to ensure freshness.
- 9. AFFORDABLE QUALITY.** At Aubrey® we believe a product is only as good as its ingredients. That's why we source only the highest quality natural and certified organic ingredients to bring you the finest products at the best price.
- 10. NO ANIMAL TESTING.** We do not test on animals, nor do we accept animal testing data as proof of an ingredient's safety or effectiveness.





Aubrey Hampton,  
founder of  
Aubrey Organics, Inc.

Based on Aubrey Hampton's *Natural Ingredients Dictionary*, this expanded version of our *INCI Dictionary of Natural Ingredients* lists many of the ingredients natural cosmetic manufacturers use — Aubrey® included. Here you will find hundreds of beneficial herbs, plant extracts, vitamins, minerals and more, listed by their INCI (Latin-based) names, as they appear on most manufacturers' labels. We've also included an Index of Common Names, so you can easily find all the ingredients you are familiar with.

*People buy a natural product  
seeking a connection with nature.  
It is nature they trust.*

— Aubrey Hampton

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